





# **Sprinter Models Owner's Manual**

Including
Limited Warranty Information



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**Doc No:** 21906540-RSAD **Rev:** 01

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# **WARNINGS AND CAUTIONS**

This manual contains **WARNINGS** against operating procedures which could result in an accident or bodily injury.

The manual also contains **CAUTIONS** against procedures which could result in damage to your vehicle.

If you do not read the entire manual you may miss important information. Observe all Warnings & Cautions.

Note: This manual applies to both the RS-Adventurous and SS-Agile models. Where differences occur, additional notes/pictures have been included.



#### **WARNINGS:**

#### **SEAT BELTS:**

Only forward facing seats equipped with factory installed seat belts are to be occupied while the vehicle is in motion. All passengers must be seated in these seats only, with the seat belts fastened while the vehicle is in motion.

#### TV:

The flat screen TV should not be stored inside the Roadtrek in temperatures below -4°F, (-20°C). Remove it to reduce the chance of damage from the cold. The operating temperature of the monitor is recommended between 50°F and 104°F, (10°C and 40°C) with a humidity range of 10% to 80%, non condensing.

If your vehicle is equipped with an optional flat screen TV, the TV should be off and in the stored position during travel.

#### **PROPANE:**

Propane tanks shall not be placed or stored inside your vehicle. Propane tanks are equipped with safety devices which relieve excessive pressure by discharging gas to the atmosphere.

To reduce the danger of fire or explosion do not store gasoline or other flammable liquids inside your vehicle. Ensure that you purchase Propane from a reputable Propane facility. Contaminated Propane is a common cause of system failure and is not covered under any warranty.

Do not refuel the Propane tank to more than 80% of its capacity.

The Propane tank valve must be closed and ALL PILOT LIGHTS, APPLIANCES, AND THEIR IGNITERS, (see Appliance Manufacturer Operating Instructions) SHALL BE TURNED OFF during refueling of the motor fuel tank and/or the Propane fuel tank. Only qualified personnel should refuel your Propane tank.

#### **APPLIANCES:**

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It is not safe to use cooking appliances for space heating purposes due to the danger of asphyxiation.

The Propane stove needs fresh air for its safe operation.

Portable fuel burning equipment, including wood or charcoal grills and stoves, should not be used inside your vehicle. Use of this type of equipment inside your vehicle may cause a fire or asphyxiation.

#### PROPANE LEAK DETECTOR:

Do not block the air circulation in the area where the Propane Leak Detector is located, (see picture F-P1 on page F-2).

Battery disconnect switch must be in the "ON" position for the Propane detector to function.

### **CARBON MONOXIDE LEAK DETECTOR:**

Do not block the air circulation in the area where the carbon monoxide leak detector is located, (see picture F-P2 on page F-2).

Battery disconnect switch must be in the "ON" position for the Carbon Monoxide Leak Detector to function.



#### 110 VOLT ELECTRICAL SERVICING:

Prior to servicing the 110 volt Galley GFCI & Audio/Video cabinet interior receptacles, unplug the output lead from the power inverter.

#### **EXTERIOR ACCESS DOORS:**

Ensure the shore power cord and city water supply line are disconnected and in their stored positions before the vehicle is put in motion.

#### **CAUTIONS:**

#### **AWNING:**

Ensure that the sliding side door is closed prior to opening or closing the awning.

#### **CLOVERLEAF DINING TABLE:**

The cloverleaf dining table is heavy, bend your knees while lifting.

#### **EXTRA COUNTER SPACE:**

Make sure the stove is off and has cooled prior to lowering the stove cover.

#### TV:

When the vehicle is in motion it is recommended that the TV be "OFF" and in the stored position.

The flat screen TV, (option TF) should not be stored inside the Roadtrek in temperatures below  $-4^{\circ}$ F, ( $-20^{\circ}$ C). The operating temperature of the monitor is recommended between  $50^{\circ}$ F &  $104^{\circ}$ F, ( $10^{\circ}$ C  $-40^{\circ}$ C) with a humidity range of  $10^{\circ}$ - $80^{\circ}$ M, non condensing.

To remove the T/V, remove the four mounting bolts on the back of the T/V mounting bracket and remove the RCA cables, power supply cable, and antenna cable.

#### **AUXILIARY BATTERY:**

Battery acid can burn your skin and damage clothing. Protective eye wear and gloves should be worn while handling batteries.

## **REPLACING THE AUXILIARY BATTERY:**

Ensure that the inverter is disconnected prior to disconnecting the auxiliary battery.

#### **GENERATOR:**

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When launching a boat using your Roadtrek, it is <u>very</u> important to note that the generator <u>MUST NOT</u> be submerged in water. When using the generator as the main power sorce to run the appliances, refer to the generator owners manual for proper use and maintinance. NOTE: The generator cannot run all of the appliances at the same time.

#### **WASTE WATER STORAGE AND DUMPING SYSTEM:**

Ensure that both the black and gray water gate valves are closed, (inward position) before using the waste water system.

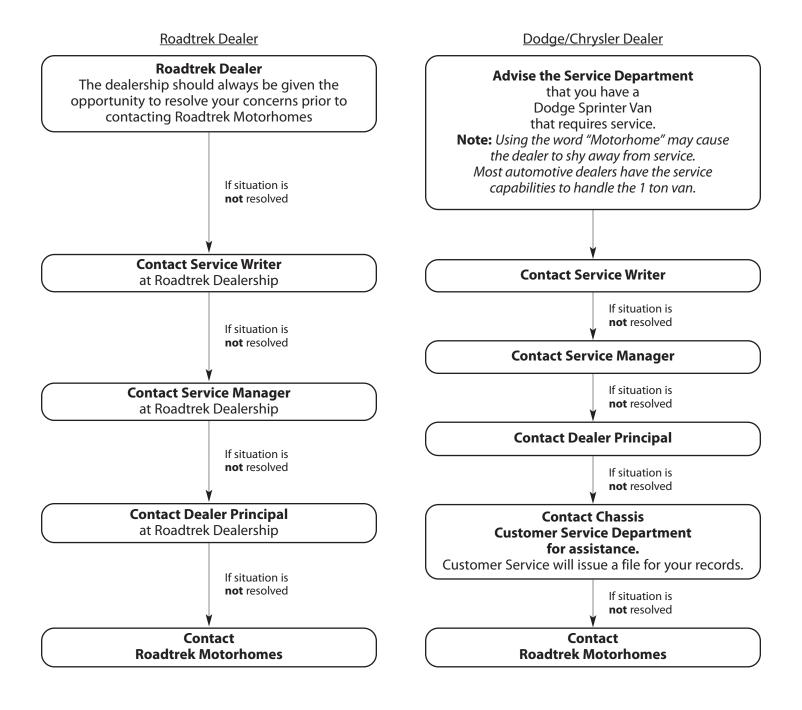
THE WARNINGS AND CAUTIONS IN THIS QUICK REFERENCE ARE AN OVERVIEW, THERE ARE MORE NOTES AND INSTRUCTIONS WITHIN THIS MANUAL.



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#### **OBTAINING MOTORHOME SERVICE**

The solution to all your Roadtrek concerns starts with your Roadtrek Dealer





#### A WORD TO ROADTREK OWNERS...

This manual has been prepared to acquaint you with the operation, maintenance and warranties of your new **Roadtrek Motorhome Van.** Your vehicle has been designed, engineered and manufactured to provide you with the utmost in pleasure, dependability and quality. **It is important that you read the contents of this manual**, that of the Dodge chassis and those of other components, and follow the instructions and recommendations contained in each to help assure the most enjoyable and trouble free operation of your vehicle.

We would like to take this opportunity to **thank you** for selecting a **Roadtrek** product, and assure you of our continuing commitment to your recreational vehicle pleasure, safety and satisfaction.

#### INTRODUCTION

This manual has been written to provide you with the information required to properly operate and maintain your new Roadtrek. After reading this manual, be sure to keep it in your vehicle as a reference. Your **Roadtrek** dealer will be glad to answer any further questions about the operation of your vehicle.

#### **IMPORTANT**

Every reasonable precaution has been undertaken in the preparation of this manual resulting in the greatest accuracy possible at the time of publication. However, due to the continuing improvement and refinement of our products and normal changes in information and procedures, Roadtrek shall assume no responsibility whatsoever for errors or omissions in the manual's contents.

Further, Roadtrek shall not be held liable or assume any obligations or responsibilities whatsoever for any loss, damage or injury directly or indirectly caused by, arising or resulting from, or as a consequence of the use or nonuse of the information contained herein or the operation or non-operation of any items mentioned herein. And finally, Roadtrek shall be indemnified and saved harmless from all losses, expenses, claims and demands whatsoever.



## **Weight Ratings**

**Gross Vehicle Weight Rating, (GVWR):** is the maximum permissible weight of this vehicle when fully loaded. It includes all weight at the vehicle axle(s).

**Unloaded Vehicle Weight, (UVW):** is the weight of this motorhome as manufactured at the factory. It includes all weight at the vehicle axle(s). If applicable, it also includes full generator fluids, including fuel, engine oil and coolants.

**Cargo Carrying Capacity, (CCC):** is equal to GVWR minus each of the following: UVW, full fresh, (potable) water weight, (including water heater), and full Propane weight and SCWR.

**Gross Combined Weight Rating, (GCWR):** means the maximum allowable loaded weight of this motorhome and any towed trailer or towed vehicle.

Canadian Models - Seating Capacity Weight Rating, (SCWR) US Models - Sleeping Capacity Weight Rating, (SCWR): is the manufacturer's designated number of seating or sleeping positions multiplied by 154 pounds, (70 kilograms).

**Gross Axle Weight Rating, (GAWR):** is the value specified as the load carrying capacity of a single axle system, as measured at the tire-ground interfaces.

**Towing Guidelines:** Consult Dodge Sprinter Owners Manual(s) for specific weighing instructions and towing guidelines, including auxiliary brake requirements for any towed trailer or towed vehicle.

**Weighing Procedure:** Prior to weighing each unit, the fuel tank must be full, as well as the fresh water tank. All tires must be of equal pressure, and any snow must be removed.

# Note: the weighing must be done on level ground!

**Equipment:** 2 Portable Scales, (including electrical power source), 2 wooden ramps, lift and pressure gauge.

**Alternate:** D.O.T. approved customer scales.

Note: Wooden ramps must be equal to or less than 1/8" of the height of the scales being used.

#### **Procedure:**

- 1) Fill Fuel Tank.
- 2) Fill Fresh Water Tank.
- 3) Measure all tire pressures and equalize if necessary.
- 4) Place wooden ramps below rear wheels, (using lift or driving onto ramps for levelling vehicle; N/A if commercial scales used).
- 5) Place scales under front wheels.
- 6) Record scale readings.
- 7) Repeat for rear wheels.



Sample of US Weight label:



Sample of Canadian Weight label:



# **VEHICLE SPECIFICATIONS**

2008 Standard Automotive Features	RS//SS models on Dodge Sprinter 2500 Van
Air bag - driver & passenger	standard
Alternator	150 amp.
Axle - rear	4.10 ratio
Battery	760 amp.
Brakes - anti lock, (ABS)	four wheel disc
Bumper covers	standard (front only)
Cooling - transmission oil	external
Cruise control	standard
Defroster - rear window	standard(Canada only)
Door locks - with remote	power - all doors, single key
Doors & exits	tall sliding side & 50/50 rear
Engine	Mercedes 3.0 L CRD 6 cyl. turbo diesel
Fuel capacity	100 L/26 US gal.
Mirror - interior	standard
Mirrors - exterior	power, heated w/aux. parabolic mirrors
Power	115 kW/154 HP
Seats - cab - Captain's	swiveling, height adjustable, manual
	lumbar support & dual armrests
Sound system	AM/FM & CD
Stability program - electronic	standard, (ESP)
Tire storage - spare	below the floor at the rear
Tires	LT245/75R16E black wall
Torque	380 N-m/280 lb-ft
Towing - GCWR *	6146 Kg/13550 lbs. *
Towing - tow weight **	2268 Kg/5000 lbs. **
Towing - tongue weight ***	227 Kg/500 lbs. ***
Traction control	standard
Wheels - steel	16" - with trim
Window operation	power - front doors only
Window tint	deep tinted
* Gross Combination Weight Pating (GCWR) includes total weight	of vahicle aguinment fuel water Propage caren driver and passengers

<sup>\*</sup> Gross Combination Weight Rating, (GCWR) includes total weight of vehicle, equipment, fuel, water, Propane, cargo, driver and passengers.

<sup>\*\*\*</sup> A weight distributing hitch is required for tongue weights over 200 Kg/400 lbs.

2008 Automotive Options	RS//SS Sprinter Models
Receiver	class III
SE package	silver paint w/charcoal lower body, unique striping & dash trim
Seats - 2nd row - Captain's	swiveling, manual lumbar support & dual armrests// Not Applicable
Seats - leather	captain's &/or lounge seats
Wheels - aluminum	16" - with steel spare
Wiring harness for towing - 7 way	includes 4 way

RS//SS Sprinter Models
6680 mm/21' 11"//5910mm/19'5"
2870 mm/ 9' 7", (with roof A/C)
2025 mm/ 6' 8"
4325 mm/170"//3665mm/144"
3300 Kg/7300 lbs//3150 Kg/6900 lbs.
3878 Kg/8550 lbs

<sup>\*\*</sup> Includes weight of base vehicle and fuel only. Does not include weight of optional equipment, water, Propane, cargo and/or passengers.

RS//SS Sprinter Models
1910 mm/75"
1980mm/78"//1930 mm/76"(max.)
1750 mm/69"
1980 mm/78" //1930mm/76"/1830mm/72"
710 mm/28"
1930 mm/76", (opt.)//n/a
510 mm/20", (opt.)
115 L/30 US gal.
91 L/24 US gal.
40 L/10 US gal.

2008 Standard Motorhome Features	RS//SS models on Dodge Sprinter 2500 Van
Aisle	28"/710 mm wide
Bathroom/privacy area	permanently enclosed with vanity sink
,	mirror, sit-down & stand-up shower
Battery - auxiliary - 12V	2 lead acid deep cycle, 220 amp-hrs.
Batterie storage - auxiliary	In engine compartment
Beds - dual density foam	130 mm/5"
Carpet	40 oz. 100% Dupont nylon
Connection - auxiliary	LPG for BBQ, (w/quick disconnect)
Connection - external - 110V	standard
Connection - external - TV cable	standard
Connection - external - water	standard, (w/ quick disconnect)
Counter top	granite
Detectors	smoke, Propane & CO
Faucet - galley	single lever
Furnace - 'Suburban'	Propane automatic, 16000 BTU
Generator ready package	for Propane 'Onan'
, ,	DVD, CD, AM/FM radio,
Home Theater system with	
5.1 surround & dual center speakers	dual-use rear speakers
Convection/Microwave oven - 110V	convection, 28L/1 cu. ft., 1800 W
Monitor panel	water & Propane levels, battery
	charge & battery disconnect switch
Power inverter with charger-12/110V,	750W, w/3 step 45 amp.
rover inverter mar enarger 12, 1101,	charger, (w/remote on/off switch)
Refrigerator - 'Dometic'-12V/110V/Propane	3.8 cu.ft.
Roof vent - 'FanTastic' - 12V	low profile, power, (w/thermostat)
Sewage disposal system - 12V	macerator sewage pump
Shower	sit-down or stand-up in bathroom
Sink	stainless steel w/flush cover
Storage area	across the rear
Storage capacity	55 cu.ft./81 w/opt.//47cu.ft./50 w/opt
Storage compartments - exterior	1 below floor
Stove - two burner - Propane	recessed with glass cover
	2
Table - dining	front & rear// rear only
Tank - Propane	45 L/12 US gal./50 lbs.//39L/10US gal/45 lbs.
Toilet - 'Thetford'	marine with foot pedal flush
Water fill gravity - fresh - location	behind the passenger sliding door to
	reduce clutter & prevent tampering w/water supply
Water heater - 'Suburban'	Propane with bypass
Mataraustam on dans and	23L/6 US gal., 12000 BTU
Water system - on demand	12V with 'Shurflo' water pump
Water tank capacities	see Interior Dimensions
Windows	frameless awning type

2008 Motorhome Options	RS//SS Sprinter Models
Air conditioner - 110V	Dometic roof mount with electrical heat strip, 11,000 BTU
Armoire - with adjustable shelves & drawers Coffee maker	interchangeable with right lounge seat (not avail. w 2nd row capt. seats //n/a 110V
Delete box awning Delete TV antenna	available available
Generator - 'Onan MicroLite'	Propane, remote-start, 2.5 kW
Mattresses - folding Pantry - hanging	for front lounge or captain's seats//n/a beside stove
Screen package	for side and rear door openings
TV - flat screen	19" with remote
Rear power sofa-12 volt Wardrobe - removable	with remote switch(standard on SS) interchangeable with left lounge seat (not avail. w 2nd row capt. seats //n/a

<sup>\*\*</sup> Maximum towable weight with driver only. This weight reduced by weight of optional equipment, fuel, water, Propane, cargo and/or passengers.



# **APPLIANCE & ACCESSORY MANUFACTURER'S LOG**

Appliance	Manufacturer	Model
Air Conditioner	Dometic	600312
Awning	Fiamma	F45
Battery - Auxiliary - 6V(x2)	Exide	E-3600
Battery Separator	Sure Power	1315-200
CO Detector	MTI Industries	60-541
Coffee Maker	Black & Decker	ODC440B
Distribution Panel	Progressive Dynamics	PD50K3Q2GP
Fire Extinguisher	Company Kidde	Elite 10
Furnace	Suburban	NT 16SE
Generator	Onan	1.8 MicroliteLP
Home Theater System	Electro Brand	STS2891-1
Inverter	Tripp-Lite	RV750ULHW
Propane Detector	Electro Systems	GS/3
Propane Tank	Manchester	68001
Macerator Pump	Shur-Flo	3200-200
Convection/Microwave oven	Apollo	AAC24B1B
Monitor Panel	Kib	K46RT
Power Roof Vent	Fantastic	4000BT
Refrigerator	Dometic	RM7401L
Smoke Detector	Fire Sentry	0914CA
Stove	Dometic	2BR-1066049
Toilet	Thetford	Aqua Magic IV Lo
Transfer Switch	Progressive Dynamics	PD5110610
TV (Flat Screen)	Samsung,	940MW
TV Antenna	Wine Gaurd	RV-7005
Water Heater	Suburban	SW6D
Water Pump	Shurflo	2088-403-144

Appliance manufacturers and model numbers subject to change without notice.



# **MANUFACTURER CONTACT INFORMATION:**

Component	Manufacturer	Location	Phone Number
Air Conditioner	Dometic	Elkart, IN	800-544-4881
Awning	Fiamma	Orlando, FL	407-672-0091
Detector-carbon monoxide	MTI Industries	Wauconda, IL	800-383-0269, 847-487-4940
Detector - Propane	MTI Industries	Wauconda, IL	800-383-0269, 487-487-4940
Flat LCD T.V.	Aralex Acoustics Ltd	Coquitlam, BC	306-221-7610
Furnace, (U.S.)	Suburban Mfg.	Elkhart, IN	423-775-2131
Furnace, (Canada)	Suburban c/o GL Products	Oakville, ON	905-845-7558
Generator, (U.S.)	Onan Corporation	Minneapolis, MN	800-888-6626
Generator, (Canada)	Onan Corporation	Oakville, ON	905-795-0050
Home Theater(Electro Brand)	TriStar Distributing		574-294-2684(ext.109)
Inverter/Charger	Tripp-Lite	Chicago, IL	773-869-1234
Propane Tank	Manchester	Quincy, IL	800-640-6327
Microwave/Convection, (U.S.)	Apollo	South Bend, IN	800-772-7262
Microwave/Convection,(Canad	a) Apollo	South Bend, IN	800-772-7262
Refrigerator, (U.S.)	Dometic Corporation	Elkhart, IN	800-544-4881, 219-463-4858
Refrigerator, (Canada)	Dometic Distribution	Cambridge, ON	519-653-4390
Roof Vent - Power	FanTastic Vent	Capac, MI	810-724-3818
Toilet, (U.S.)	Thetford Corporation	Ann Arbor, MI	800-521-3032
Toilet, (Canada)	Thetford Sanitation	Mississauga, ON	905-671-0255
TV Antenna	Winegard	Burlington, IA	800-288-8094
Water Heater, (U.S.)	Suburban Mfg.	Elkhart, IN	423-775-2131
Water Heater, (Canada)	Suburban c/o GL Products	Oakville, ON	905-845-7558
Water Pump, (U.S.)	Shurflo	Santa Ana, CA	800-854-3218
Water Pump, (Canada)	Shurflo	Belmont, ON	519-727-6752





#### **CAPTAIN SEATS:**

To recline, pull up on the recline control lever below the inboard armrest and lean back.

To slide, pull up on the slide bar located on the front of the seat and slide the seat either forward or back, (see Picture B-P1a).

To swivel the seats from a forward facing position to a rearward facing position pull the swivel lever up, (see Picture B-P1).

**Important Note:** Before swiveling the seat, you must be aware of the following:

- 1. Ensure that the back of the seat is reclined forward, as far as the recline control allows.
- 2. Slide the seat forward, but not so far as to lose clearance of the engine cover. Pull up on the slide bar, (see Picture B-P1A).
- 3. The swivel lever is located on the inboard side of the seat and locks the seat in a forward facing position. To release pull the swivel lever up and the seat freely swivels, (see location on Picture B-P1). Turn the front of the seats toward the aisle to prevent damage to the chassis "B" pillars.
- 4. Parking brake lever must be lowered to facilitate swiveling. It can be re-engaged after seat is turned.

## **SEAT BELT USAGE:**

Only forward facing seats equipped with factory installed seat belts are to be occupied while the vehicle is in motion. All passengers must be seated in these seats <u>only</u>, with the seat belts fastened while the vehicle is in motion.



**Picture B-P1:** View of front captain's seat showing the location of the swivel lever.



**Picture B-P1A:** View of the front of the Captain's seat, showing the location of the slide bar.



**Picture B-P2:** Captain seats swiveled towards the rear of the Motorhome (RS Adventurous).



## **CLOVERLEAF DINING TABLE:**

The cloverleaf dining table is stored beside the driver side lounge seat, (see Picture B-P3). Remove the table leg from the rear closet, (see Picture B-P4) and place it in the floor base receptacle located in front of the lower galley cabinet. Place the table top on top of table leg.

To use the table "leaves":

- 1. Pivot the table into the desired position.
- 2. In the seated position, with one hand on the top of the table, use the other hand to unfold the desired leaf to the upright position.

**Caution:** The locking mechanisms are spring-loaded. Watch your fingers.

To return the "leaf" to its original position, use the following steps:

- 1. Hold the leaf with one hand.
- 2. With the other hand reach under the table and carefully press on the center of the downward facing part of the spring hinge.
- 3. Fold the leaf back into the stored position.

**Caution:** The cloverleaf dining table is heavy, bend your knees while lifting.

**NOTE:** Due to space limitations the cloverleaf table is replaced in the SS model with a folding table stored above the refrigerator (Picture B-P4B).

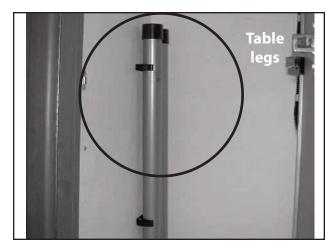


Picture B-P4B: Folding front table, (SS model)

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**Picture B-P3:** Lower galley cabinet showing location of cloverleaf table in RS model, (stored position).



**Picture B-P4:** Cloverleaf and dinette table legs in the stored position, located in the rear passenger side closet.



**Picture B-P4A:** Rear table leg located on the driver side, behind the drivers seat, (SS model stored position).



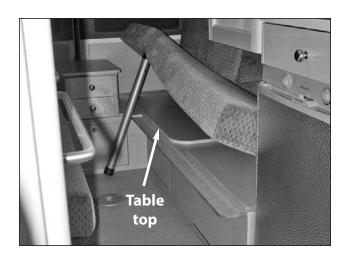
#### **DINETTE TABLE:**

Remove the table leg from it's stored position and place it in the floor base receptacle, located in the aisle way at the rear on the floor. The table top is stored under the driver side rear bed cushion, (see Picture B-P6) in the dinette units, or under the driver side ottoman cushion in the power sofa units (See Picture B-P5A). Place the table top on table leg, (see Pictures B-P5, B-P5A).

When returning table top to the storage position ensure the table base is placed correctly in the table base receptacle located on top of the rear driver side bench or ottoman, (see Pictures B-P6, B-P6A). Return table leg to the storage clip in the aisle way, (see Picture B-P4).



Picture B-P5: Location of assembled dinette table.



**Picture B-P6:** Location of dinette table, (stored position).



Picture B-P5A: Location of assembled dinette table, (**Optional power rear sofa**).



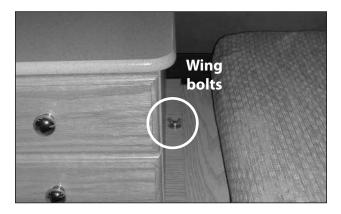
#### **SLEEPING FACILITIES:**

#### **REAR TWIN BEDS**

To convert the dinette into twin beds:

- 1. Remove the table and leg from its receptacle and place the table under the driver side seat cushion and store the table leg.
- 2. Place both back rest cushions on the floor vertically up against the seat base boxes or store if desired.
- 3. Pull each seat cushion 3", (8 cm) from the wall to provide additional elbow room while sleeping.
- 4. Night table can be removed, (see Picture B-P7) and stored if desired.

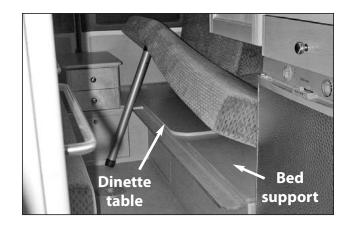
To convert back to a dinette, perform these steps in reverse order.



**Picture B-P7:** Wing bolts attaching the night table, are accessed from the sides of the night table as illustrated above.



**Picture B-P8:** Placement of the cushions for Twin beds (regular dinette).



**Picture B-P9:** Dinette table and bed support for King size bed, (stored position).





#### **REAR KING SIZE BED:**

To convert the dinette into a King size bed:

- 1. Remove the table and leg from its receptacle.
- 2. Remove night table and store. In order to remove the night table, unscrew the wing bolt found on each side of the night table, (see Picture B-P7). Store the wing bolts in the night table drawer when not in use.
- 3. Place the table top on the supports in the aisle, (see Picture B-P10).
- 4. Remove the bed support from storage located under the bed cushion on the driver side, (see Picture B-P9).
- 5. Install bed support, (see Picture B-P10).
- 6. Place both the back rest cushions together in the center of the bed, (see Picture BP-11).
- 8. Install the filler cushion on the passenger side of the bed, (see Picture B-P13).

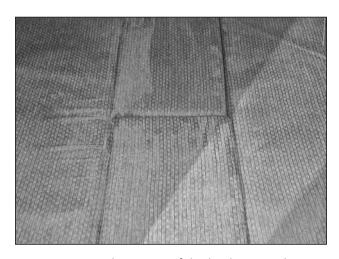
To convert back to a dinette, perform these steps in reverse order.



**Picture B-P10:** Placement of the table top and the wood support for the king size bed.



Picture B-P11: Lay cushions flat.



Picture B-P12: Placement of the back rest cushions.



Picture B-P13: Placement of the filler cushion.



# **REAR KING SIZE BED, (Optional power rear sofa):**

To convert the power sofa into a King size bed:

- 1. Remove the table and leg from its receptacle located on the floor.
- 2. Lower the power rear sofa by using the remote switch, (see picture B-P10A).
- 3. Place the table top on the aluminum side supports in the aisle, (see Picture B-P11A).
- 4. Place both back rest cushions together in the center of the bed, (see Picture BP-12).

To convert back to a sofa, perform these steps in reverse order.



**Picture B-P10A:** Location of the power rear sofa remote switch.



**Picture B-P11A:** Placement of the table top as the center bed support for the king size bed.



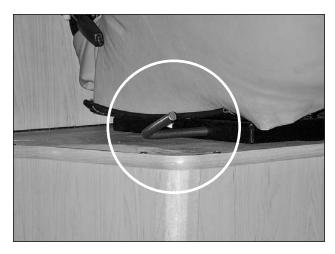
**Picture B-P12:** Placement of the back rest cushions for the King size bed.



## **SECOND-ROW CAPTAIN SEATS:**

Adjustment of the captain seat:

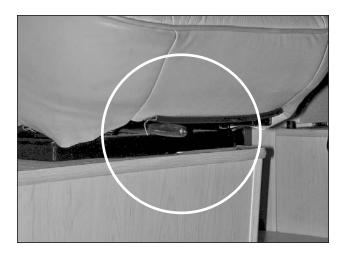
- 1. To swivel the captain seat, pull back on the swivel handle and turn the seat, (see Picture B-P14).
- 2. To slide the captain seat forward or back, pull the slide adjustment handle, located at the front of the seat base to the left and slide, (see Picture B-P15).
- 3. To adjust the arm rest, turn the adjustment screw under the arm rest, (see Picture BP16).



Picture B-P14: Swivel lever handle.



Picture B-P16: Arm rest adjustment screw.



Picture B-P15: Slide adjustment handle.





#### **WASHROOM AND SHOWER AREA:**

#### FRONT AND REAR WASHROOM DOORS:

#### Rear washroom door:

1. To open the rear washroom door loosen the thumb screw, lift the door latch and pull, (see Picture B-P18).

#### Front washroom door:

- 1. To open the front washroom door lift the, (in transit) locking pin and turn the pin towards the aisle, (see Picture B-P21).
- 2. Be sure to have the rear washroom door open first.
- 3. Pull door open.

#### Washroom exhaust fan:

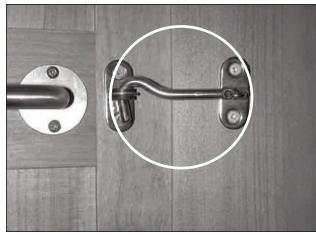
- 1. To open the washroom exhaust vent, push up on the vent handle, (see picture B-P20).
- To turn on the washroom exhaust vent, turn the ON/OFF switch clockwise to the "ON" position, (see Picture B-P20).



Picture B-P20: Bathroom exhaust vent.



**Picture B-P18:** Washroom, (in transit) door latch (RS model).



Picture B-P19: Inside shower door latch (RS model).



**Picture B-P21:** Front bathroom door, (in transit) locking pin in the locked position.



## **WASHROOM (SS Model):**

The washroom door on the SS-Agile model is somewhat different than that of the RS-Adventurous.

The door is held closed by the same catch as is used on the other galley cabinets. There is a small circular plastic cover inside the washroom area that provides access to the latch from inside in the event the door is closed with someone inside.

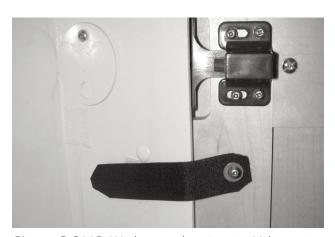
The two-piece door is held rigid by the exterior travel latch (Picture B-P23A) to keep it out of the way when not in use. When using the washroom for showering or other things the latch is opened to allow the door to "break" in the middle and bulge into the aisle(Picture B-P23C), providing more room inside the washroom area. The door can be held closed from the inside with the provided Velcro™ strip (Picture B-P23B).



**Picture B-P23C:** Washroom door in use position (SS model).



**Picture B-P23A:** Washroom door exterior travel latch (SS model).



**Picture B-P23B:** Washroom door interior Velcro strip (SS model).



#### **WASHROOM FACILITIES:**

#### **TOILET:**

- Privacy is achieved by closing both bathroom doors.
- 2. The washroom is equipped with an exhaust vent, (see Picture B-P20).

#### **PERMANENT BATHROOM SHOWER:**

To set up the bathroom shower:

- 1. Remove the floor drain plug from the bathroom floor, (see Picture P-B24A).
- 2. Privacy is achieved by closing both doors and securing them using the inside shower door latch, (see Picture B-P19).
- 3. Install the shower hose on the bathroom faucet. Place the shower head in the, (in use) holder, (see Picture B-P24B).
- 4. Draw the shower curtain until you have covered the bathroom doors.
- 5. Using the Velcro connectors, secure the edges of the curtain to the shower interior walls.
- When adjusting the water temperature, be sure to allow enough time for the temperature adjusted water to exit the shower head before making further adjustments.
- 7. The bathroom exhaust vent may be used to remove steam and moisture.

Note: The shower hose is self-draining. When the water is turned off, the hose drains out the bottom.

To put away the stand-up shower:

- Rinse and dry the shower curtain thoroughly, (this function is most easily performed before leaving the shower area after use).
- 2. Allow the curtain to air dry completely, (this function can be expedited using the power roof vent or the bathroom vent).
- 3. Replace the floor drain plug when you are finished.

To prevent grey water tank contents from spilling onto the floor while driving, keep the drain plug secured when not in use.



**Picture B-P24A:** Location of permanent bathroom shower drain.



Picture B-P24B: Shower head location while in use.



**Picture B-P24C:** Storage drawers in bathroom vanity, (the lower drawer is used for the toilet paper storage) (RS model shown).





## **EXTRA COUNTER SPACE:**

In order to provide additional counter space, your motorhome has the following two features:

- 1. Tempered glass stove top cover.
- 2. Sink cover, (cutting board).

To raise the stove cover do the following:

- 1. The stove cover is fit so you just need to lift it. The spring-loaded hinges hold it open, (see Picture BP25, B-P26).
- 2. Raise the stove cover while cooking, when finished cooking and the stove has cooled, lower the stove cover.

**CAUTION:** Make sure the stove is off and has cooled prior to lowering stove cover.

#### TV:

To view the flat screen display, swing the screen on its base to the position you desire, (see Picture B-P27).

**CAUTION:** When the vehicle is in motion it is recommended that the TV be "OFF" and in the stored position.

To store the flat screen display, swing the screen on its base against the cabinet securing the TV by turning the black "T" handle on the cabinet, (see Picture B-P28).



**Picture B-P25:** Stove top cover and sink cover in place.



**Picture B-P26:** Counter top with sink cover removed and stove cover open.



Picture B-P27: Flat screen display.

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**Picture B-P28:** Flat screen display bracket locking "T" handle.



#### **EXTERIOR ACCESS DOORS:**

### **DRIVER SIDE ACCESS DOORS:**

Behind the lockable middle access doors, (see Pictures B-P29 and B-P30) the following are found:

- 1. Macerator manual crank handle.
- 2. Grey water gate valve handle.
- 3. Black water gate valve handle.
- 4. Sewage hose access.
- 5. Cable TV connection.

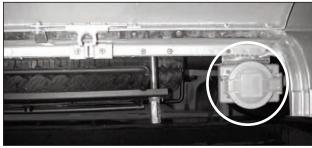
Behind the driver side front access door, (see Pictures B-P32,B-P34) the following are found:

- 1. City water connection, (integrated at the driver side behind the side access door).
- 2. Propane Tank with fittings and connectors

Warning: Before putting your Roadtrek into motion, ensure that the shore power cord and the city water supply line are disconnected and are stored properly.

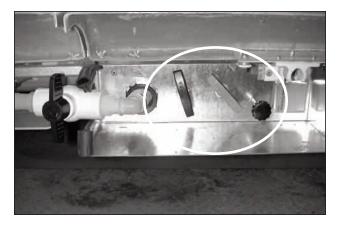


**Picture B-P31:** Location of the exterior fresh water tank drain cap (visible in passenger front wheel well).



**Picture B-P33:** Location of exterior shore power connector (RS model shown.

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**Picture B-P29:** Black water, grey water valves and macerator manual crank locations.



**Picture B-P30:** Sewage hose storage location. Please note that the discharge hose stores in a sealed container behind this bulkhead by pushing it back through the hole. The elbow-valve-nozzle stores as shown.



**Picture B-P32:** Location of the city water supply connection.



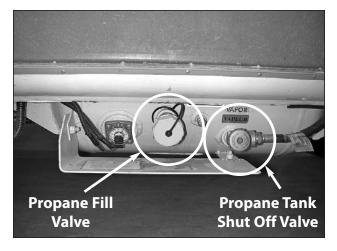


## **PROPANE ACCESS DOOR:**

Behind the drivers side middle **Propane access door,** (RS model) (see Picture B-P34), the following are found:

- 1. Propane fill valve.
- 2. Propane tank shut off valve.

#### **REAR STORAGE AREA:**



Picture B-P34: Propane tank/fill access door.



**Picture B-P35:** Water heater accessed through rear doors in the SS model.



Picture B-P35A: Water heater bypass (SS model) in bypass mode.



**Picture B-P36:** Rear storage area (SS model with sofa) .



Picture B-P36A: Rear storage trunk (RS model only).





#### **AUXILIARY BATTERY:**

The two 6-volt auxiliary batteries are located in the engine compartment on the driver side, (see Picture BP37a).

Note: The white residue on the batteries is a rust and corrosion preventative spray.

CAUTION: BATTERY ACID CAN BURN YOUR SKIN AND DAMAGE YOUR CLOTHING. PROTECTIVE EYE WEAR AND GLOVES SHOULD BE WORN WHEN HANDLING OR MAINTAINING THE COACH BATTERY(S).

Observe all battery warnings and caution labels.

**NOTE:** Your vehicle is equipped with two(2) group GC-2, 6-volt lead acid deep cycle auxiliary batteries. It is recommended that the fluid levels be checked at least once every month. See the battery manufacturers maintenance recommendations.

#### **REPLACING THE AUXILIARY BATTERY(S):**

Replacement batteries must be 6-volt, group GC-2 deep cycle lead acid or equivalent.

Ensure that the battery cable hex nuts are tightened to 10 ft-lbs, (see Picture B-P37a).

Ensure that the inverter is disconnected prior to disconnecting the auxiliary battery.

**NOTE:** Both the auxiliary batteries and engine battery are charged by the inverter/charger when plugged in to shore power or using the optional generator. The Battery Separator (Picture B-P37C) performs this duty.



**Picture B-P37A:** Auxiliary battery location showing leable connection hex nuts.



Picture B-P37B: Dual breakers shown.



Picture B-P37C: Battery Separator and breakers



#### **SPARE WHEEL STORAGE:**

The spare wheel is located on the driver side inboard of the rear runningboard door, (see Picture B-P39A) in the RS, and on the Continental tire carrier in the SS (Picture B-P39C).

The spare on the RS is lowered by using the black L-shaped support (stored with the jack). The U-channel on the end is hooked on the metal bar outward of the tire and the assembled chassis jack handle is inserted in the end of it as a handle. While pushing down on the handle, the support nuts can be loosened using the wheel nut wrench. When sufficiently loose, these can be moved to the side out of the slotted support bar and the wheel lowered by reducing pressure on the handle. Once on the ground the wheel can be pulled out of the holder for use.

## **BBQ QUICK CONNECT**

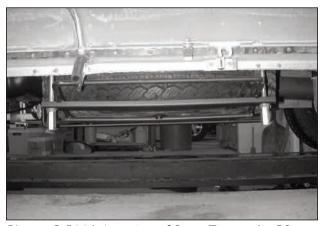
The BBQ external supply line is located on the passenger side, just forward of the rear wheel and under the runningboard(see pictures B-P38A and B-P38B). It is held in a pocket there. An 8 ft. extension hose(not included with vehicle) for external BBQ can be purchased from your Roadtrek dealer (part # 26009250).



**Picture B-P38A:** BBQ Propane supply line in-transit storage location (seen from below).



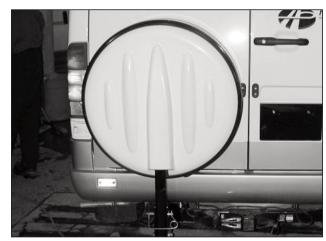
**Picture B-P38B:** BBQ Propane supply line in-use location.



**Picture B-P39A:** Location of Spare Tire on the RS model.



**Picture B-P39B:** Usage of support to lower/raise Spare Tire on the RS model.



Picture B-P39C: Location of spare tire. in SS model



Loosen the tension bolt with the wheel nut wrench before removing the pin from the support.





#### **SIGNAL SELECTION SWITCH:**

Standard A/B Switch:

A (Button out): Antenna.

B (Button in): Cable.

#### **AUDIO/VIDEO CABINET:**

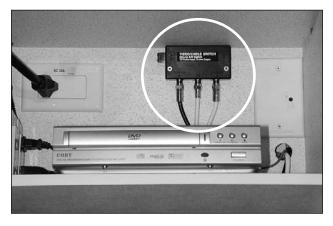
The following are found in the audio/video cabinet, (see Picture BP42).

- 1. A/B signal selection switch.
- 2. Antenna ON/OFF switch, (Wineguard crank up).
- 3. Surround-Sound Home Theater system. (NOTE: The rear vehicle speakers are wired as the HT front left and right channels, assuming that users would be watching movies from the front of the vehicle)
- 4. Audio/Video 110V AC receptacle.
- 5. Rear speaker mode switch

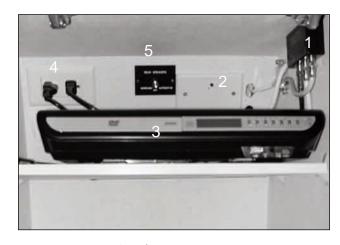
## **AUTOMOTIVE TIRE JACK LOCATION:**

To access the tire jack use the following steps.

- 1. Remove the passenger side floor mat.
- 2. Push and turn the automotive jack compartment securing screw 1/4 turn to the left. Remove jack storage compartment cover, (see picture B-P43A).
- 3. Automotive tire jack, (stored position), (see picture B-P43B).



Picture B-P41: Signal selection switch, (standard).



Picture B-P42: A/V cabinet.

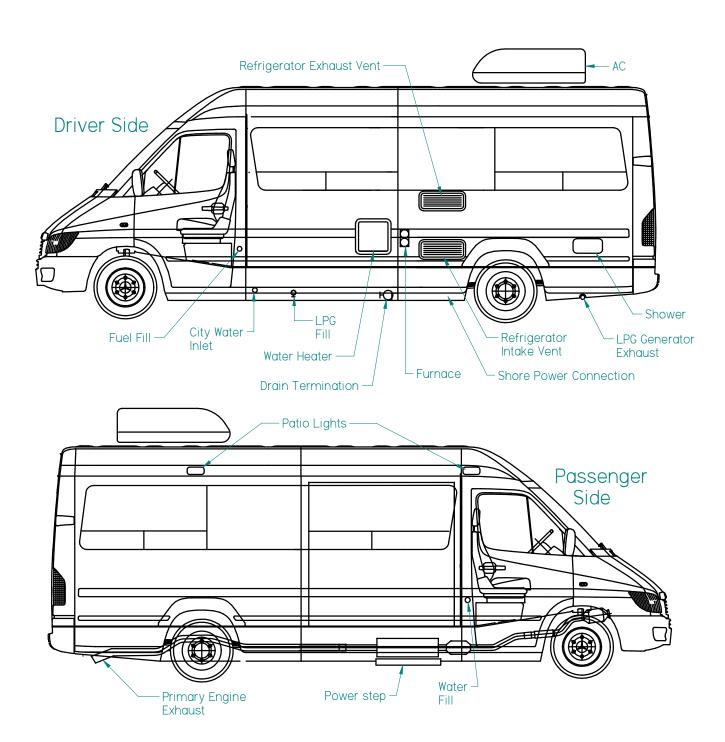


**Picture B-P43A:** Automotive jack storage compartment cover securing screw.



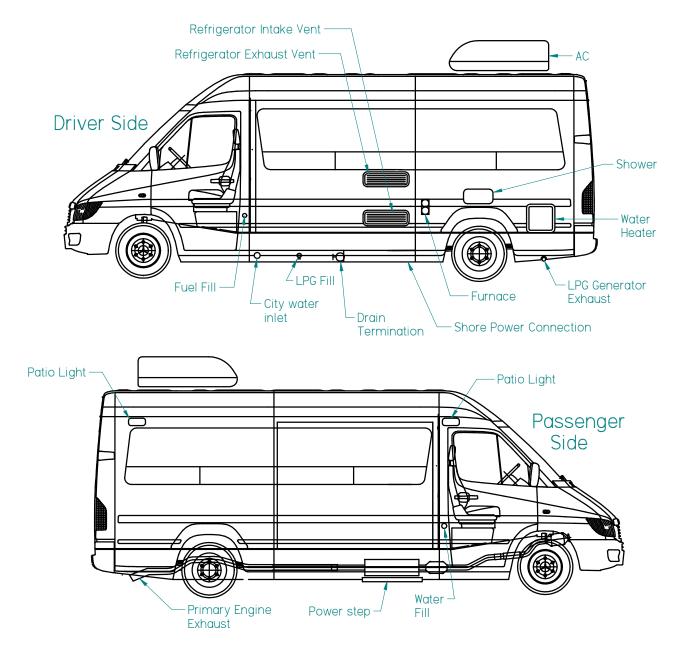
**Picture B-P43B:** Automotive tire jack, (stored position).





**RS Elevation** 





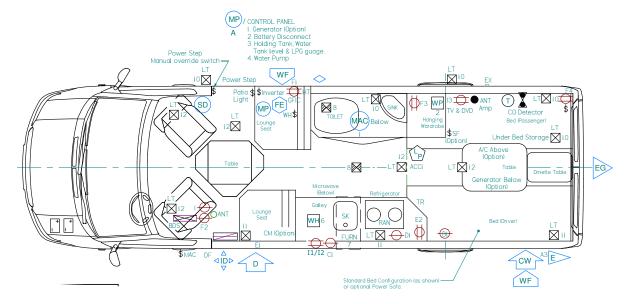
# SS Elevation



Doc No: 21906540-RSAD Rev: 01

- -INTERIOR FINISH MATERIALS HAVE A FLAME SPREAD RATING OF LESS THAN 200
- -INTERIOR TEXTILE MATERIALS COMPLY WITH FMVSS 302
- -INTERIOR DOORS/PARTITIONS ARE NON-LOCKING

# FLOORPLAN - RS MODEL



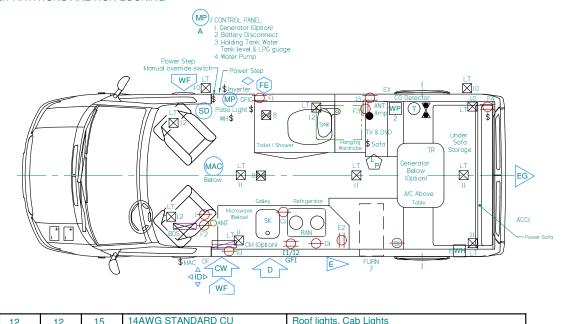
12	12	15	14AWG STANDARD CU	Roof lights, Cab Lights
11	12	15	14AWG STANDARD CU	Driver side lights
10	12	10	14AWG STANDARD CU	Passanger side lights, Patio light, Under bed light
9	12	15	14AWG STANDARD CU	Antenna Amplifier
8	12	10	16AWG STANDARD CU	Roof vent & Closet vent fans
7	12	10	14AWG STANDARD CU	Furnace
6	12	10	14AWG STANDARD CU	Water Heater
5	12	20	10AWG STANDARD CU	Refrigerator
4	12	1	18AWG STANDARD CU	CO Detector
3	12	1	18AWG STANDARD CU	LP Gas Detector
2	12	10	14AWG STANDARD CU	Potable Water Pump
1	12	20	10AWG STANDARD CU	Wastewater Pump (macerator)
N/A	12	30	10AWG STANDARD CU	Power Sofa - SF(Optional)
N/A	12	20	10AWG STANDARD CU	Power Step
N/A	12	5	14AWG STANDARD CU	Power Step Manual Override
N/A	12	5	14AWG STANDARD CU	Ignition Power Step Override
				ignation and cop examine
I	110	6	14AWG 2CU W/GROUND	Inverter output
I1 / I2	110	15	14AWG 2CU W/GROUND	Galley Receptacle (GFCI)
I3	110	15	14AWG 2CU W/GROUND	Audio / Video (AV) cabinet Receptacle
F4	110	15	14AWG 2CU W/GROUND	Inverter / Charger Receptacle
F3	110	15	14AWG 2CU W/GROUND	Rear PS rr bed Receptacle
F2	110	15	14AWG 2CU W/GROUND	Front PS bed Receptacle
F1	110	15	14AWG 2CU W/GROUND	Passanger side Door Receptacle (GFCI)
E2	110	15	14AWG 2CU W/GROUND	Rear driver side Galley Receptacle
E1	110	15	14AWG 2CU W/GROUND	Coffee Maker Receptacle
D1	110	15	14AWG 2CU W/GROUND	Fridge Receptacle
C1	110	20	12AWG 2CU W/GROUND	Microwave oven Receptacle
B1	110	20	12AWG 2CU W/GROUND	AC
A1	110	30	10AWG 2CU W/GROUND	Transfer switch Load
Α	110	30	10AWG 2CU W/GROUND	Main Power Switch
Circuit	VOLTS	AMPS	WIRE SIZE	LOADING
Circuit	VOLIG	74IVII O	CIRCUIT SCHEDUL	



**Doc No:** 21906540-RSAD **Rev:** 01

- -INTERIOR FINISH MATERIALS HAVE A FLAME SPREAD RATING OF LESS THAN 200
- -INTERIOR TEXTILE MATERIALS COMPLY WITH FMVSS 302
- -INTERIOR DOORS/PARTITIONS ARE NON-LOCKING

# FLOORPLAN - SS MODEL



12	12	15	14AWG STANDARD CU	Roof lights, Cab Lights
11	12	15	14AWG STANDARD CU	Driver side lights
10	12	10	14AWG STANDARD CU	Passenger side lights, Patio light
9	12	15	14AWG STANDARD CU	Antenna Amplifier
8	12	10	16AWG STANDARD CU	Roof Vent & Closet Vent Fans
7	12	10	14AWG STANDARD CU	Furnace
6	12	10	14AWG STANDARD CU	Water Heater
5	12	20	10AWG STANDARD CU	Refrigerator
4	12	1	18AWG STANDARD CU	CO Detector
3	12	1	18AWG STANDARD CU	LP Gas Detector
2	12	10	14AWG STANDARD CU	Potable Water Pump
1	12	20	10AWG STANDARD CU	Waste Water Pump (Macerator)
N/A	12	30	10AWG STANDARD CU	Power Sofa
N/A	12	20	10AWG STANDARD CU	Power Step
N/A	12	5	14AWG STANDARD CU	Power Step Manual Override
N/A	12	5	14AWG STANDARD CU	Power Step Ignition Override
I	110	6	14AWG 2CU W/GROUND	Inverter output
I1 / I2	110	15	14AWG 2CU W/GROUND	Galley Receptacle (GFCI)
I3	110	15	14AWG 2CU W/GROUND	Audio / Video (AV) cabinet Receptacle
F3	110	15	14AWG 2CU W/GROUND	Rear Passenger Rear Bed Receptacle
F2	110	15	14AWG 2CU W/GROUND	Front Passenger Bed Receptacle
F4	110	15	14AWG 2CU W/GROUND	Inverter / Charger Receptacle
F1	110	15	14AWG 2CU W/GROUND	Passenger side Lounge Receptacle (GFCI)
E1	110	15	14AWG 2CU W/GROUND	Coffee Maker Receptacle
D1	110	15	14AWG 2CU W/GROUND	Fridge Receptacle
E2	110	15	14AWG 2CU W/GROUND	Rear side Galley Receptacle
C1	110	20	12AWG 2CU W/GROUND	Microwave oven Receptacle
B1	110	20	12AWG 2CU W/GROUND	AC
A1	110	30	10AWG 2CU W/GROUND	Transfer switch Load
Α	110	30	10AWG 2CU W/GROUND	Main Power Switch
				LOADING



#### **NOTE: INVERTER/CHARGER**

Your Owner's Manual for RV750ULHW contains most of the essential information you need to enjoy the electrical conveniences of home while at RV parks or dry camping. However, we wish to highlight for you exactly how the charging portion of the inverter/charger works, in order to help avoid possible confusion:

Supplying shore power or, (optional) generator power enables RV750ULHW to charge the auxiliary battery(s). Operation of your vehicle engine and alternator will also charge the auxiliary battery(s). When your motorhome is not plugged into shore power or, (optional) AC generator power, all electricity you use draws power from your motorhome's auxiliary battery bank, with the inverter allowing you to enjoy quiet DC-to-AC, (12 volt to 110 volt) power in the absence of shore or generator power.

## 10 volt inverter/charger shut down

As a safety feature, the inverter component of the RV750ULHW inverter/charger, (which changes DC battery power to AC electricity) will shut itself down when your auxiliary battery bank drops below 10 volts DC. This occurs in order to avoid excessive discharging and potential damage to the batteries, as well as to preserve sufficient battery voltage to maintain the functionality and readiness of the battery charger component of the RV750ULHW. It is possible, however, for the batteries to become discharged below 10 volts DC as a function of activity other than using the inverter. For example, while dry camping, in the absence of shore or generator power, if a 12 volt appliance such as the furnace or lights are left on for an extended period of time.

### Dry camping battery conservation

While dry camping, (no 110 VAC power available) to conserve battery power, it is recommended to switch the inverter/charger to the off or charge position, if the inverter is left in the ON position, it will continue to draw 1.25 amps. To ease in switching the inverter/charger to the off position, you will find the remote ON/OFF inverter/charger switch on your control panel.

# **Receptacle functionality**

When using your motorhome and connected to shore power or optional generator, the receptacles in the audio/video cabinet and in the galley will function to the 15 amp capacity supplied from the distribution panel. However when no shore power or option generator power is available, these receptacles are limited to the 750 watts, (15 amps) output from the inverter/charger.

If an overload occurs, the inverter/charger will shut down, and will need to be reset manually, by turning the inverter off for 1 minute, removing the load, and then turning the inverter/charger back on.

**WARNING**: Prior to servicing the 110 VAC Galley GFCI or Audio/Video cabinet interior receptacles, the inverter/charger output lead MUST be unplugged. These outlets will have live 110 Volt power to them from the inverter/charger even if the shore power is disconnected.

# 110 volt GFCI receptacle locations:



**Picture E-P0A:** 110V GFCI receptacle, (Galley location).



**Picture E-P0B:** 110V GFCI receptacle, (side entry door location).



Your vehicle's electrical system should not be subjected to changes and / or additions to circuitry, appliances, etc. without consulting your dealer or Roadtrek for proper installation procedures.

Failure to do this could result in serious safety issues or component damage. Changes to the electrical system run the risk of voiding the warranty.

#### 110 / 12V INVERTER / CHARGER / DISTRIBUTION PANEL:

For your convenience when camping in parks with hookups for 110V power, (shore power), all our models have in the electrical system a 110/12 volt distribution panel / inverter / charger. The inverter/charger provides 12 volt power for the 12 volt appliances and the inverter provides 110 volt power for the galley receptacle and the audio/video receptacle. The inverter/charger also charges the auxiliary battery(s) present in the system.

See "Floor Plan & Appliance Location" for the distribution/inverter/charger location. To open the distribution panel simply pull on the access door until the cover is released. All of the 110 volt circuit breakers and 12 volt fused circuits are identified inside the distribution panel, (behind the distribution panel access door).

#### **EXTERNAL ELECTRICAL SOURCE CONNECTION:**

Your vehicle is equipped with a heavy duty 30 amp. shore power cord so that you can connect your electrical system to an outside 110V, (30 amp) power source.

The power cord is removable and can be stored in the rear of the vehicle. The connector for the shore cord is located in the rear driver side runningboard (see picture G-P19), adjacent to the Cable connector.

NOTICE: Do not place heavy or sharp objects on the power cord.

A 30 to 15 amp. adapter is **not** included with your vehicle.

NOTICE: When connecting your system to an external power source, ensure that a properly equipped, (three pronged) and functioning receptacle is used. If any type of spark or shock is detected, disconnect from the source immediately and do not reconnect until the problem is corrected.

### **GENERATOR:**

All service requirements are listed in the Onan Owner's Manual.

The generator is located and accessed from the underside of the van behind the rear axle of your vehicle.

**CAUTION:** When launching a boat, (using your Roadtrek), it is important to note that the generator must not be submerged in water. This will permanently damage the generator. If you cannot launch without submerging the generator, an alternate method would be to use a boat launching service.

**Note:** The Propane generator on the Sprinter units runs on Propane from the same Propane tank as the appliances.

#### **POWER STEP OVERRIDE SWITCH**

The power side entry step functions with the opening and closing of the sliding side entry door. An override switch is located at the front pillar of the sliding door which allows the step to be left open when the door is closed. This switch is itself overridden when the vehicle is started.



Power step override switch





### **MONITOR PANEL:**

The monitor panel is located on the shelf above the passenger lounge seat, (see Picture E-P1). For location of the porch lights switch in the RS model see Picture E-P2.

The monitor panel is used to provide the approximate fluid levels in the fresh, grey and black, (holding) water tanks, the Propane tank, and the charge level of the auxiliary battery(s).

The monitor panel has a series of L.E.D. lights, that mark the fluid levels at set increments of F, (full), 2/3, 1/3 and E, (empty). Therefore with respect to the water tank levels, you must be aware that the panel does not always reflect the actual fluid levels. For example, when the 1/3 level light is on, the tank may be anywhere from 1/3 to just under 2/3 full. When the panel reads empty, the tank may be anywhere from empty to just under 1/3 full.

The black and grey water tanks must be flushed regularly with sanitation fluid, to prevent the accumulation of solids on the probes, to maintain accurate black and grey water level readings. The amount of required tank flushing will vary depending on the amount of usage.

To flush out the holding tanks: Refer to the instructions on the Waste Tank Dumping, found in the Water Systems Section.

The auxiliary battery charge level indicator is marked "C", "G", "F", and "L".

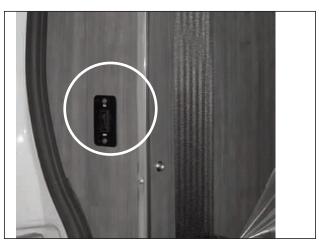
- "C" indicates the battery is fully charged and/or charging.
- 2. "G" indicates the battery charge is "good".
- 3. "F" indicates "fair".
- 4. "L" indicates "low".

The battery condition is indicated by the uppermost light that is on. For example, if the "G","F", and "L" lights are on, the battery charge is "good".

The panel also provides the switch for the water pump and a disconnect switch for the auxiliary battery(s).



**Picture E-P1:** Monitor panel, water heater switch, inverter remote switch, porch light switch (SS model), and optional generator control switch.



**Picture E-P2:** Location of the porch light switch (RS model).



**Picture E-P3:** Location of the crank up antenna handle.



### **AUXILIARY BATTERIES AND BATTERY SEPARATOR:**

The standard auxiliary batteries are 6 Volt group GC-2 lead acid type. The auxiliary batteries are located in engine compartment on the driver side, (see section on Auxiliary Batteries). To access the batteries refer to the auxiliary battery section found in the Daily Living section.

The auxiliary batteries are automatically charged through the battery separator by the chassis's engine's alternator while the engine is running. These batteries are also automatically charged by the inverter/charger when:

- 1. The battery disconnect switch on the monitor panel is set to the "ON" position prior to connection to an outside electrical power source, (shore/generator power).
- 2. The breakers in the distribution panel, are in the "ON" position.
- 3. Or while the generator is in operation, (if so equipped).

The battery disconnect switch, located on the monitor panel, provides a disconnect for the auxiliary batteries from the motor home/coach 12 Volt system while your vehicle is not in use.

Since the auxiliary batteries are of a deep-cycle type, they may be discharged completely and recharged without damage, (whereas the automotive battery is designed to be kept fully charged by the alternator and may undergo damage if fully discharged). However, **the auxiliary batteries should never remain in a discharged state and should be recharged immediately to prevent battery damage.** When not in use, the auxiliary batteries will slowly discharge on its own.

Accordingly, if the batteries are not being used, they should be recharged monthly by connecting to an outside electrical power source, such as connecting to shore power or by operating the generator, (if so equipped) for at least 12 hours, or by running your vehicle's engine for a minimum of 2 hours.

The **battery separator** is located under the hood in the engine compartment. The battery separator allows the alternator to charge both the automotive and auxiliary batteries when the engine is running, <u>and</u> when plugged into shore power, and it will prevent your vehicle's 12 Volt motorhome equipment, (interior lights, water pump, exhaust fans, furnace blower, etc.) from drawing on the automotive battery.

### **AUTOMOTIVE BATTERY:**

The automotive radio in your vehicle will exert a small draw on the automotive battery to maintain the time and preset stations.

To prevent the battery from being completely discharged, the radio should be disconnected from the automotive battery when your vehicle will be out of service for 2 months or more. Failure to do this may risk voiding the warranty on the automotive battery.

The radio can be disconnected by removing the 10 amp. radio fuse from the automotive fuse block, located in the driver footwell, or by removing the negative automotive battery cable disconnect, above the accelerator pedal. See Automotive Owners Manual for full radio and disconnect operating instructions.

### **INTERIOR CAB LIGHT:**

The interior 12 Volt cab light located on the underside of the cab ceiling panel has a multipurpose switching system. This switching system utilizes the switch on the light itself.

Refer to the Dodge Sprinter's Owner's Manual for complete operation instructions.

### **WATER HEATER:**

The Roadtrek is equipped with a Propane fueled water heater. The water heater must be operated on Propane but does require 12-volt power to operate the electronic circuitry. Please refer to the Suburban Owner's Manual for complete operation instructions.

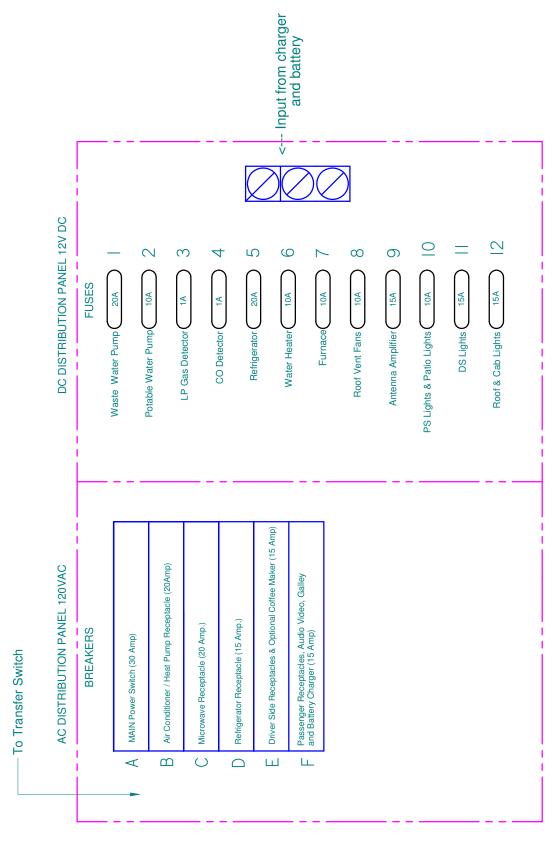




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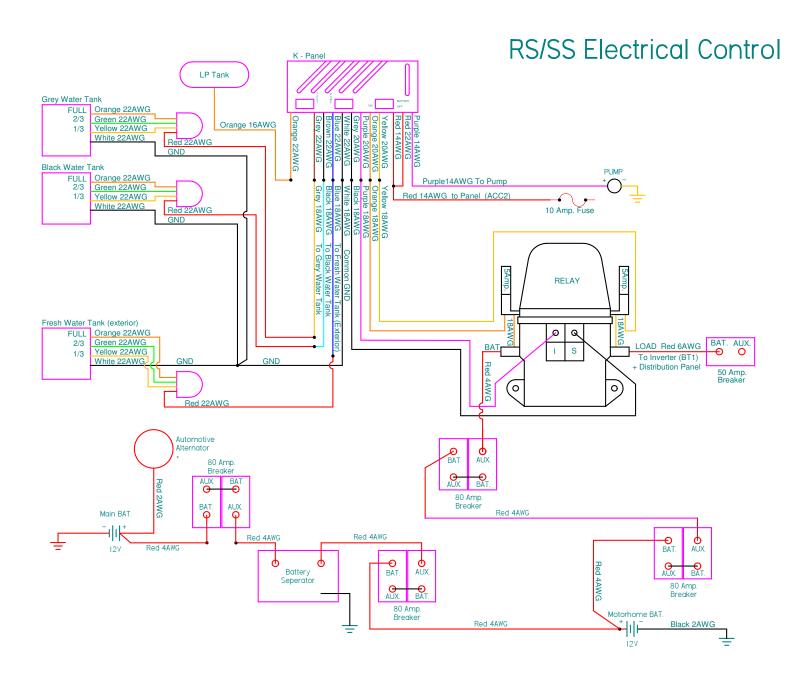
ROADTREK SYMBOLS A	ROADTREK MOTORHOMES SYMBOLS AND ABBREVIATIONS LEGEND		LEGEND		
WF	POTABLE WATER FILL	$\boxtimes$	12V LIGHT FIXTURE	<u>T</u>	THERMOSTAT
- MO	CITY WATER INLET	<b>\(\rightarrow\)</b>	COMB. 12V/120V LIGHT FIXTURE	CM	COFFEE MAKER
WP	POTABLE WATER PUMP	×	12V EXHAUST FAN	(MP)	MONITOR PANEL
	DRAIN OUTLET	中	COMB. 12V FAN/LIGHT FIXTURE	CL	CLOCK
MM	WATER HEATER	$\Diamond$	120V LIGHT FIXTURE	RAD	RADIO
WT	WATER TANK		120V EXHAUST FAN	AWS	AUTOMATIC WINTERIZATION SWITCH
HT	HOLDING TANK	$\diamondsuit$	120V LIGHTED EXHAUST FAN	MAC	Waste Water Pump (Macerator)
WC	WATER CLOSET		120V ELECTRICAL INLET	THE	FLEX HEAT DUCT
LAV	LAVATORY	(-)	JUNCTION BOX		HEAT REGISTER (WALL)
SHW	SHOWER	A/C	AIR CONDITIONER		HEAT REGISTER (FLOOR)
SK	KITCHEN SINK	TR	TRANSFER SWITCH		T.V. JACKS
AWT	AUTOMATIC WINTERIZING TANK	<b>\Q</b>	INSIGNIA LOCATION	X	CARBON MONOXIDE DETECTOR
	120V DISTRIBUTION PANEL	(H)	FIRE EXTINGUISHER (MIN. 10 B.C.)	$\langle \overline{d}_{J} \rangle$	L.P. DETECTOR
	120V D.P./CONV/12V FUSE BLOCK	EG	EMERGENCY EGRESS (17"x24" min.)	BAT	BATTERY CHARGE LEVEL INDICATOR
	INVERTER / CHARGER	EX	ENGINE EXHAUST	MIC	MICROWAVE
	12V FUSE BLOCK	DF	DIESEL FILL	+	AUX. BATTERY STORAGE
	CONV W/12V FUSE BLOCK	GF	GASOLINE FILL	GFI	GROUND FAULT INTERRUPT
Ф	120V SINGLE RECEPTACLE	<b>4</b> □ <b>₽ Δ Δ</b>	MFG. ID LABEL	GFCI	GROUND FAULT CIRCUIT INTERRUPT
ф	120V DUPLEX RECEPTACLE	(SD)	SMOKE DETECTOR		110V + 12V DISTRIBUTION PANELS
<del> </del>	120V SPLIT DUPLEX RECEPTACLE	LPG	LPG STORAGE TANKS	O ANT	ANTENNA
<del>-</del> ←	SINGLE POLE SWITCH	FURN	COMFORT HEATING APPL.	ANT-Amp	ANTENNA Amplifier
<b>↔</b>	2 POLE DBL THROW SWITCH	RAN	COOKING APPLIANCE	BDS	Aux. BATTERY DISCONNECT SOLENOID
ВН	RANGE HOOD	REF	REFRIGERATOR		

Electrical-distribution panel-Sprinter-MY07-?



# RS/SS Distribution Panel









Your vehicle is equipped with a Propane system which, when properly handled and maintained, will provide trouble and worry free operation of your Propane fueled appliances.

Propane fuel is stored in a liquid state under extremely high pressure. As fuel is used, Propane gas passes from the top of the tank through the regulator into the Propane gas lines and eventually to all of the Propane fueled appliances.

Although the entire system has undergone extensive factory and dealer testing for leaks, the system's connections and fittings are subjected to road vibrations and therefore **should be checked annually for possible leaks by a licensed Propane technician.** 

Propane fuel is extremely flammable, colourless, heavier than air and smells like garlic or rotten eggs.

IF YOU SMELL PROPANE GAS, extinguish any open flames, pilot lights and smoking materials **immediately**. Do not touch any electrical switches. Leave the vehicle, shut off the gas supply at the Propane tank valve and open doors and windows to provide maximum ventilation. Leave the area until the odor clears. Have the system inspected and the leak corrected before further use.

The Propane fuel tank valve must be open to operate the Propane fueled appliances.

**WARNING:** Propane tanks are not to be placed or stored inside your vehicle. Propane tanks are equipped with safety devices which will relieve excessive pressure by discharging gas into the atmosphere.

**WARNING:** To reduce the danger of fire or explosion do not store gasoline or other flammable liquids inside your vehicle.

**WARNING:** Ensure that you purchase Propane from a reputable Propane facility. Contaminated Propane is a common cause of system failure that is not covered by warranty.

WARNING: Follow all recommended maintenance schedules.

### **PROPANE TANK:**

To open and close the Propane tank, use the manual Propane tank shutoff valve located on the Propane tank, accessible from the driver side access door.

It is recommended to close the Propane tank shutoff valve when the vehicle is not in daily use. Further, it is recommended to close the Propane shutoff valve while the vehicle is in travel.

The refrigerator must be operated on 12 volt only when the vehicle is in travel. See refrigerator Manufacturers Owner Manual for proper 12 volt operation.

### **APPLIANCES:**

Doc No: 21906540-RSAD Rev: 01

**WARNING:** It is not safe to use cooking appliances for space heating purposes due to the danger of asphyxiation.

**WARNING:** The Propane stove needs fresh air for its safe operation.

Because the amount of air supply is limited by the size of your vehicle, before operating the Propane stove, open the overhead power roof vent or a window for increased air circulation, (see Floor Plan & Appliance Location). Proper ventilation when using the Propane stove will reduce the dangers of asphyxiation.

**WARNING:** Portable fuel burning equipment, including wood and charcoal grills and stoves, should not be used inside your vehicle. Use of this equipment inside your vehicle, may cause fire or asphyxiation.

See appropriate component Manufacturer's Owner's Manuals for operating instructions.



### **REFUELING PROCEDURES:**

**WARNING:** Do not refuel the Propane tank to more than 80% of its capacity.

A properly refueled Propane tank will hold approximately 80% of its volume in a liquid state. Over fueling of the Propane tank can result in uncontrolled gas flow which can cause a fire or explosion.

**WARNING:** The Propane tank valve must be closed and **ALL PILOT LIGHTS, APPLIANCES, AND THEIR IGNITERS,** (see Operating Instructions) **SHALL BE TURNED OFF** during refueling of motor fuel tank and / or the Propane tank. Only qualified personnel should refuel your Propane tank.

### **REGULATOR:**

The Propane regulator is located adjacent to the Propane tank.

This regulator has been installed under a protective cover to keep out debris, with the vent facing downward.

### **PROPANE DETECTOR:**

Your vehicle has been equipped with a Propane detection device for your protection, (see Picture F-P1).

See "Floor Plan & Appliance Location" for location of the Propane detector.

Be sure that the Propane detector is operating while you are using your vehicle.

Do not block the air circulation in the area where the Propane detector is located.

See Manufacturer's Owner's Manual for other operating instructions.

**WARNING:** Battery disconnect switch must be in the "ON" position for the Propane detector to operate.

Picture F-P1: Propane leak detector.

### **CARBON MONOXIDE DETECTOR:**

Your vehicle is equipped with a carbon monoxide, (CO) detection device for your protection, (see Picture F-P2).

See "Floor Plan & Appliance Location" for location of the carbon monoxide gas detector.

Be sure the carbon monoxide gas detector is operating while using your vehicle.

Do not block the air circulation in the area where the carbon monoxide gas detector is located.

See Manufacturer's Owner's Manual for other operating instructions.

**WARNING:** Battery disconnect switch must be in the "ON" position for the carbon monoxide gas detector to operate.



**Picture F-P2:** Carbon monoxide gas detector.





### **SMOKE DETECTOR:**

Your vehicle is equipped with a smoke detection device for your protection, (see Picture F-P3).

See "Floor Plan & Appliance Location" for the smoke detector location.

This device should be tested after each time your vehicle has been in storage, before each use, and at least once each week during your vehicle's use.

**NOTE:** Upon delivery of your vehicle from the factory, the smoke detector is inoperative due to the fact that the battery has been reversed to prevent batery drainage. Before operation, reverse the battery to the proper position and test the operation of the smoke detector by pressing the test button located on the front of the smoke detector.



Picture F-P3: Smoke detector.

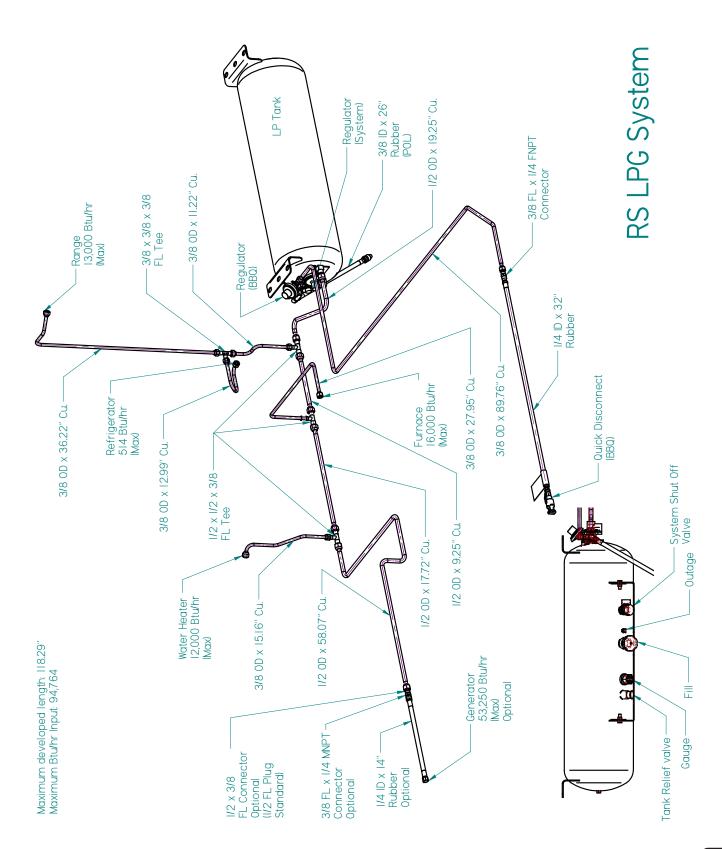
To gain access the smoke detector battery, turn the smoke detector 1/4 turn counter clock wise and the detector will remove from the smoke detector mounting base.

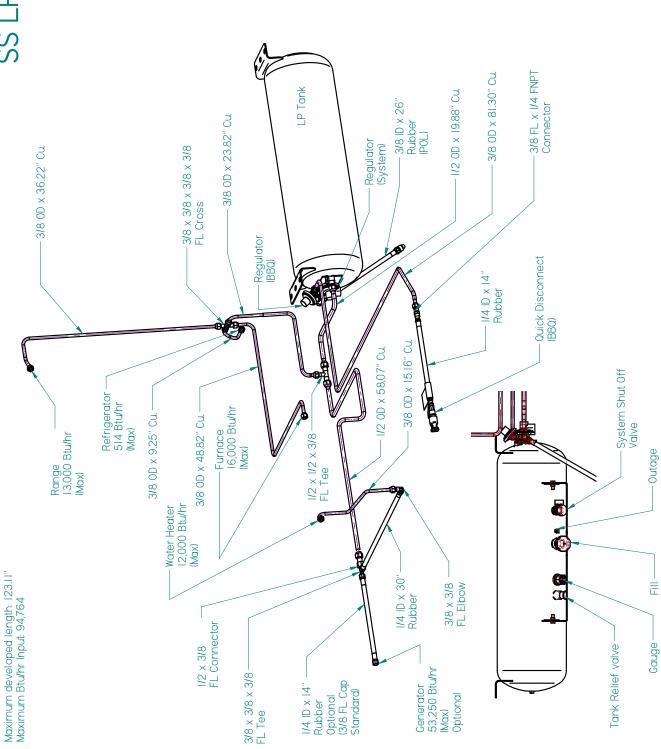
Be sure the smoke detector is operating while using your vehicle. Do not block air circulation in the area where the smokedetector is located.

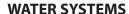
See Manufacturer's Owner's Manual for operating instructions.

**NOTE:** Cleaning products, sealants, and some adhesives may contaminate safety detectors. All of the detectors should be covered when using cleaning chemicals or working on the vehicles interior.











### **WATER HEATER BYPASS SYSTEM:**

Your Roadtrek is equipped with a water heater by-pass valve. During normal use, all three valves will face the aisle, (see Picture G-P1). When winterized, the water line valve in the middle of the water line should be in the open position, (inline with the water line) and the valves at the water heaters cold water inlet and the hot water outlet should be in the closed position, (see Picture G-P2).

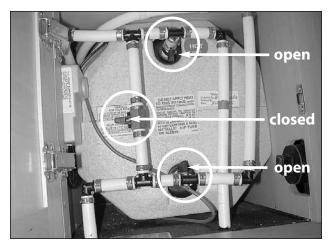
### FRESH WATER TANK DRAIN:

To drain the fresh water tank you must open exterior fresh water drain cap at the low point fresh water tank drain, located behind the passenger side front tire, (see Picture G-P3).

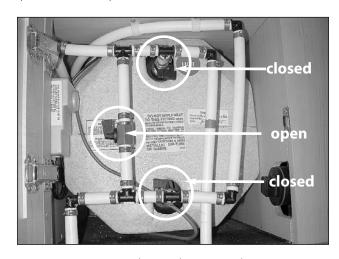
### **TO DE-WINTERIZE:**

Repeat the steps in reverse order.

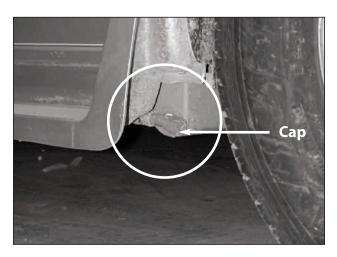
**NOTE:** Roadtrek Motorhomes makes no warranty whatsoever for damage to the water systems as a result of freezing.



**Picture G-P1:** Water heater by-pass valve positions, (summer mode).



**Picture G-P2:** Water heater by-pass valve positions, (winter mode).



**Picture G-P3:** Location of the exterior freshwater tank low point drain.



### **FRESH WATER TANK:**

Your vehicle is equipped with a water system for either completely self contained or fully dependent use. It is **NOT** equipped with a pressure regulator to compensate for varying water pressure levels.

During self contained use, caution should be taken so as to minimize water consumption. For example, water consumption can be reduced while showering if you turn off the shower between wetting down and rinsing off.

To avoid damage due to road vibrations, be sure not to store heavy or sharp objects where they may come into contact with either the water lines or water pump. Also, allow sufficient room around the water pump for proper operation.

### FILLING THE FRESH WATER TANK:

- 1. Open the passenger side front door.
- 2. Remove the orange gravity fill plug, (see Picture G-P4).
- Insert the hose into the gravity fresh water fill and fill the fresh water tank using moderate water pressure, (excessive pressure will result in a back flow of water).
- 4. When the tank is full, water will overflow back through the gravity fill hole.
- 5. Overfilled tanks will spill out through the fresh water tank gravity fill vent.



**Picture G-P4:** The gravity fresh water fill for the fresh water tank, (located on the passenger side front "B-pillar").



The fresh water tank can also be filled through the city water inlet located behind the front driver side access door, (see Picture G-P5).

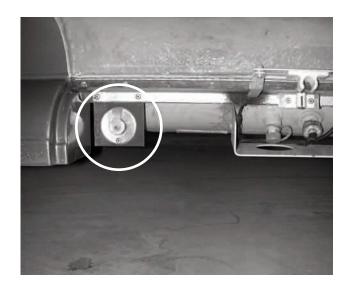
To fill the fresh water tank:

- 1. Prior to using city fill, ensure that the fresh water system has been de-winterized and the fresh water system has been sanitized, (see Picture G-P1 on page G-1). Connect a hose to the city water inlet connection. Remove the orange gravity fill plug for added venting of the fresh water tank, (see Picture G-P4).
- 2. To fill the fresh water tank, open the city fresh water tank fill shut off valve, located inside the passenger side cargo door below the cabinetry(see Picture G-P6).
- 3. Open the water source moderately.
- 4. When the tank is full, water will overflow in the same manner as when using the gravity fill, (see previous page).
- 5. Close the city fresh water tank fill shut off valve, (see Picture G-P7).

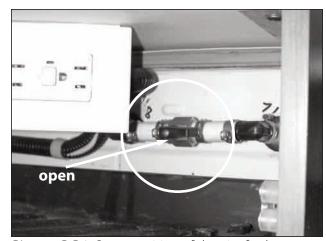
### **CITY WATER CONNECTION:**

The city fresh water inlet connection is located in the small compartment behind the driver side rear access door, (see Picture G-P5). To connect the water system to an outside source:

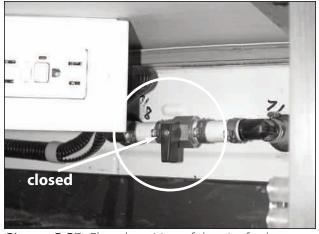
- 1. Ensure that the water pump is turned off.
- 2. Close the city fresh water tank fill valve by turning the handle to the vertical position, (see Picture G-P7).
- 3. Be sure that all interior faucet's are closed to prevent spillage.
- 4. Open the city water source slowly to prevent excessive water force inside your vehicle. To protect your system from excessive pressure from water supply systems encountered in some areas, a water pressure regulator (not supplied) should be used.
- Note that this connection by-passes the water pump and fresh water tank. Therefore, the use of these items is not necessary when connected directly to an external water source.



**Picture G-P5:** Location of the city fresh water inlet connection.



**Picture G-P6:** Open position of the city fresh water tank fill valve.



**Picture G-P7:** Closed position of the city fresh water tank fill valve.



To disconnect the city fresh water connection:

- 1. Turn off the external fresh water source.
- 2. Open the sink faucet to relieve the pressure in the system, (failure to do so may result in an unexpected shower).
- 3. Ensure that the city fresh water tank fill valve is closed, (see Picture G-P7).
- 4. Remove the hose from the city fresh water connection, replace the cap on the city fresh water fill connection.

### **WASTE WATER STORAGE AND DUMPING SYSTEM:**

Your vehicle is equipped with a waste water storage and dumping system that will provide adequate and effective storage and dumping of waste water. Your vehicle should be as level as possible to allow optimal operation of the system.

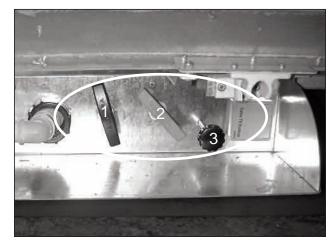
**CAUTION:** Ensure that both the black and the grey water gate valves are closed, (inward position) before using the waste water system. This applies especially after extended driving. Black and grey water dump valves are accessed behind the long driver side storage door, (see Picture G-P8 and G-P9).

### **Waste Water Tank Preparation:**

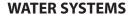
Your vehicle is equipped with two waste water tanks; the grey waste water tank is for waste water from the sink and shower. The black waste water tank is for sewage from the toilet. Both tanks are equipped with separate dump valves so that each may be dumped independently. Before use of either waste tank, be sure to read instructions provided by the toilet manufacturer regarding the use of waste water chemicals. We suggest that such chemicals be used every time to minimize odours and build up of solids on the water level sensors inside the tanks.



Picture G-P8: Driver side storage door.



**Picture G-P9:** Access to the sewer discharge assembly, black (1) and grey (2) gate valve handle and the macerator manual crank handle (3).





### **Waste Water Tank Dumping:**

To dump the exterior black waste water tank:

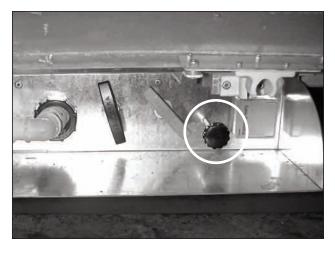
- Turn the battery disconnect switch to the "ON" position, if not already on, (located on the monitor panel).
- 2. Remove the sewage discharge hose from storage, (see Picture G-P8).
- 3. Insert the discharge outlet into the waste receptacle.
- 4. Open the valve on the end of the sewage hose, (see Picture G-P8).
- 5. Open the black water tank gate valve by pulling the gate valve handle out, (black water tank gate valve has a black handle), (see Picture G-P9#1).
- 6. Open the driver's door, press and hold the macerator pump, (red) button until the tank is empty, (see Picture G-P11).
- 7. Close the Black water

To dump the grey waste water tank:

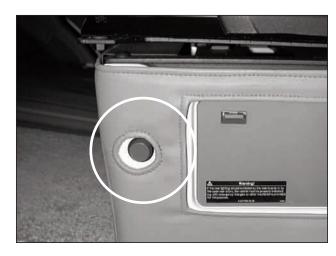
- 1. Open the grey water tank gate valve (grey water tank gate valve has a grey handle).
- 2. Open the driver's door, press and hold the macerator pump, (red) button until the grey waste tank is empty, (see picture G-P11).
- 3. Close both of the gate valve handles by pushing them back in to the original positions.
- 4. Close the sewage discharge valve on the end of the sewage hose.
- 5. Return the sewage hose to its storage compartment.
- 6. Turn battery disconnect to the "OFF" position (optional).

**NOTE:** It is recommended to always dump the black water tank first, then the grey water tank to flush out the sewage discharge system.

NOTE: If the macerator should become clogged, you can push the manual macerator crank handle in to engage the slotted rod, and turn clockwise to dislodge any debris that might be blocking the macerator, (see picture G-P10).



**Picture G-P10:** Macerator manual crank handle located to the right of the waste holding tanks gate valve handles.



**Picture G-P11:** Macerator pump switch, (red button) located at the side front of the driver seat pedestal.



**Picture G-P12:** Sewage discharge manual cleanout. (As seen from below the vehicle) (See Drain/Sewage system drawings for exact locations)



### **Waste Water Tank Flushing:**

To flush the waste water tanks:

- 1. Empty both waste tanks as detailed on page G-5.
- 2. Fill the black waste water tank by inserting a hose into the toilet or by using the water pump and the shower head, (be sure to step on the flush pedal, so that the toilet gate valve door stays open to prevent the toilet from overflowing) and fill the grey waste water tank using the galley sink.
- 3. Dump both waste tanks using the procedure outlined above on page G-5.

### **OUTSIDE SHOWER:**

The outside shower faucet is found in its own compartment behind the driver side rear wheel on the RS, and above the rear wheel on the SS model. Remove the shower hose from the storage compartment and attach it to the exterior faucet spout, (see Picture G-P13). The shower hose must be returned to the storage compartment before the van is put into motion, as to prevent damage to the unit.



**Picture G-P13:** Outside shower connection space. Shower hose storage when Motorhome is in motion. (NOTE: Location different on SS unit)

### POTABLE WATER SYSTEM DRAINING:

To completely drain the fresh water system of all water:

- 1. Ensure that the water pump is off and that your vehicle is level.
- 2. Drain the fresh water tank by opening the exterior fresh water drain cap at the low point drain, on the exterior fresh water tank, (see Picture G-P3 on page G-2).
- 3. Open all water outlets including the sink faucet, aisle shower faucet, external shower faucet, and toilet flushing pedal. The toilet flushing pedal can be propped open or opened manually several times. This procedure allows gravity to draw any remaining water out through the fresh water tank low point drain.
- 4. Your vehicle is equipped with a water heater, follow the manufacturer's instructions for draining.
- 5. Turn on the water pump until water is no longer pumped.
- 6. Turn off the water pump.

If this procedure is followed, it is not necessary to blow out the water system. Once the system is drained, be sure to close all faucets and replace drain cap before driving.

**NOTE:** Do not allow water to sit in the fresh or the waste tanks when vehicle is not in use.



### **POTABLE WATER SYSTEM SANITIZING:**

Your potable water system should be sanitized if it is new, has not been used for a period of time, or may have become contaminated.

To sanitize your fresh water system:

- 1. Prepare a chlorine solution using 4 L, (1 gallon) of water and 60 ml, (1/4 cup) of household bleach, (5% sodium hypo chlorite solution). (As an alternative, several commercial solutions are available and should be used as directed on the package.)
- 2. With the fresh water tank empty, (see section on Fresh Water System Draining), pour, (see section on Filling Fresh Water Tank) 4 L, (1 gallon) of the solution into the gravity fill of the fresh water tank for each 60 L, (15 gallons) of the fresh water tanks capacity.
- 3. Complete filling the fresh water tank with fresh water.
- 4. Turn on the water pump and slowly open all faucet's to release trapped air until a steady stream of water comes out of the faucets.
- 5. Close all of the faucet's and allow to stand for 3 hours, then drain and flush the fresh water system with fresh potable water.
- 6. To remove excessive chlorine taste or odor which may remain, prepare a solution of 1 L, (1 quart) vinegar to 20 L, (5 gallons) of water and pour into the fresh water tank and allow the solution to agitate in the fresh water tank by vehicle motion, (several days if possible).
- 7. Drain the fresh water tank and flush with fresh potable water.

### **WATER SYSTEM WINTERIZING:**

**NOTE:** The water heater must be in the by-pass mode.

To winterize your potable water system:

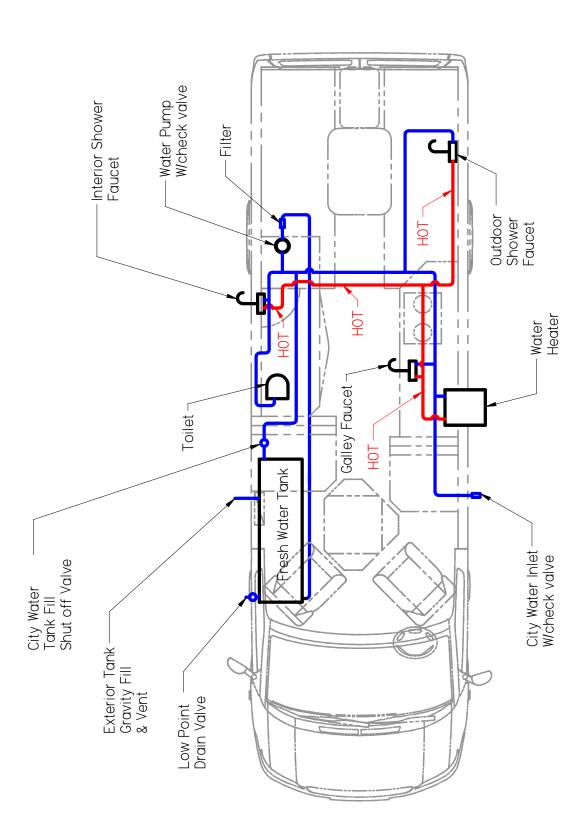
- 1. Drain the entire system including the water heater, (refer to water heater owners manual for instructions on draining).
- 2. Place water heater by-pass valves in the by-pass position to prevent the water heater from filling with antifreeze.
- 3. Add 8 L, (2 gallons) of approved nontoxic recreational vehicle antifreeze to the fresh water tank using the fresh water gravity fill.
- 4. Turn on the water pump.
- 5. Open all three faucet's, (sink, shower, and the exterior shower) until antifreeze is visible.
- 6. Open the toilet valve, (by pressing down on the toilet flushing pedal) until antifreeze is visible.
- 7. Turn off the water pump.

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8. Remove the plug for the bathroom shower drain and fill the P-Trap with antifreeze.

To prepare your potable water system for use:

- 1. Drain the antifreeze from the fresh water system and then flush out the fresh water system.
- 2. Sanitize the fresh water system if desired.
- 3. Fill the fresh water system with potable fresh water.



## RS Water System

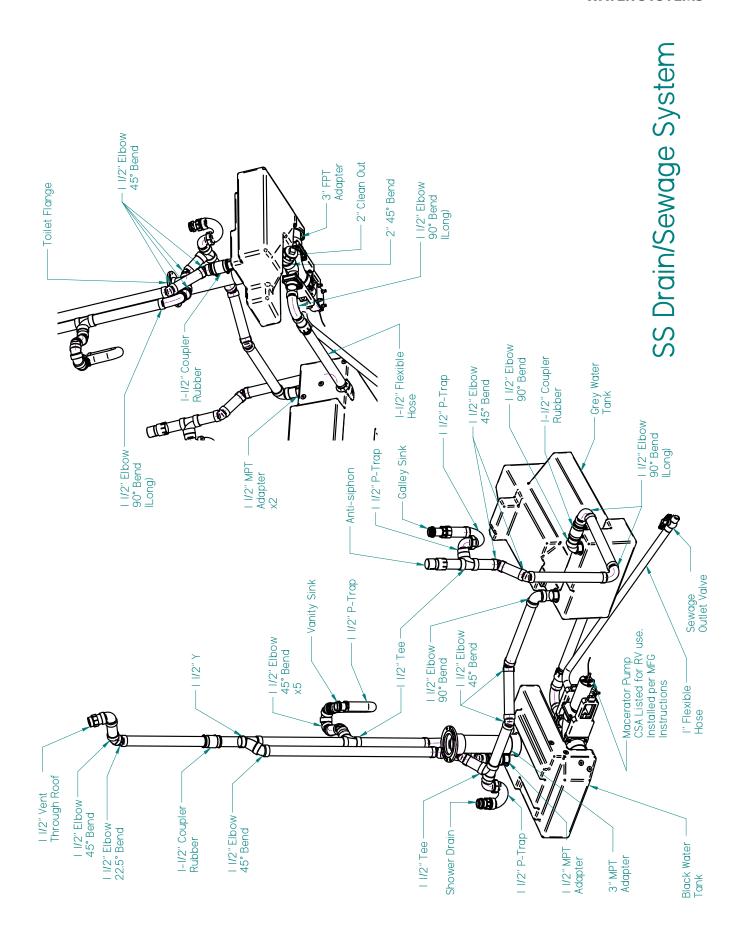
### HOH Water Heater - Water Pump W/Check Valve Filter -Interior Shower Faucet H Outdoor Shower -Faucet HOH -City Water Tank Fill Shut off Valve H - Toilet Galley Faucet City Water Inlet – W/Check Valve Frésh Water. Exterior Tank -Gravity Fill & Vent Low Point – Drain Valve

### SS Water System



### 2" Clean Out - I-1/2" Coupler Rubber 2" 45° Bend -1 1/2" Elbow 90° Bend -1 1/2" Elbow 22.5° Bend Macerator Pump CSA Listed for RV use. Installed per MFG Instructions I-1/2" Tee I I/2" Tee Grey Water-Tank I I/2" Coupler -Rubber I I/2" Elbow 90° Bend Toilet Flange Shower Drain I 1/2" Elbow -90° Bend - I 1/2" Elbow 90° Bend (Long) I-I/2" Coupler Anti-siphon I I/2" Tee I/2" Elbow 45° Bend Galley Sink Vanity Sink Anti-siphon 1913 I-I/2" Coupler 1/2" P-Trap I-I/2" Coupler-- I 1/2" Elbow 45° Bend -1 1/2" Elbow 22.5° Bend - I 1/2" Elbow 45° Bend I 1/2" MPT Adapter Rubber I I/2" Tee I/2" Elbow I 1/2" Elbow-90° Bend (Long) 45° Bend Sewage Outlet Valve OCCUP I" Flexible Hose I-I/2" Coupler I-I/2" Coupler 1 1/2" Elbow -45° Bend I I/2" Vent Through Roof Black Water Tank 3" Coupler -Rubber Rubber Rubber 3" MPT Adapter 3" 45° Bend







### **EXTERIOR WASHING:**

To prevent water from entering your vehicle, avoid spraying water directly into exterior vents or grills. Use care and caution when using a power washer to prevent water leaks. Do not point power washer directly towards any door openings, body seams, vents or any automotive striping.

### **OTHER MAINTENANCE:**

For necessary maintenance of other components and appliances, see their respective manufacturer's owner's manuals for instructions.

### **WINTER STORAGE:**

### **INSIDE YOUR VEHICLE:**

Before winter storage:

- 1. Be sure to clean your vehicle thoroughly. Special emphasis should be given to the appliances, such as the refrigerator.
- 2. Once cleaned, leave the refrigerator door propped open with the cutting board in the freezer compartment to prevent the development of odors, (insert a box of baking soda if desired).
- 3. Open a window slightly allowing sufficient air circulation to avoid the development of odors, condensation and mildew.
- 4. To prevent sun, (ultraviolet) rays from deteriorating and fading interior fabrics, cover all upholstered seats and cushions. As a further precaution, close all curtains or blinds tightly.
- 5. Disconnect the auxiliary batteries, using the disconnect switch located in the monitor panel.
- 6. If the vehicle is expected to be left unused for long periods, the chassis battery can be disconnected using the disconnect above and to the right of the accelerator pedal (See chassis manual for instructions)

### **OUTSIDE YOUR VEHICLE:**

Before winter storage:

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- 1. Ensure that all waste water tanks have been dumped and flushed, and that the entire potable water system has been properly drained, refer to sections on Potable Water System Draining and Potable Water System Winterizing.
- 2. Be sure to cover the external vents to the refrigerator, exhaust fan, furnace and air conditioner with heavy plastic sheeting to prevent entry by rodents and insects.
- 3. To improve tire life and maintain performance, put your vehicle up on blocks. Also, cover all tires that will be exposed to the sun light to prevent deterioration and dry rot caused by ultraviolet rays.
- 4. Consult your automotive owner's manual or local automotive dealer regarding the steps necessary to prevent engine and chassis damage during long periods of storage in your particular region.
- 5. Vehicle should be parked level, so that all vents and water drains can operate properly.



### **SPRING START UP:**

After storage, reactivate your vehicle for use by reversing all of the procedures that you performed to prepare it for winter storage. In addition, the Propane system's connections and fittings should be inspected for possible leaks, (by a certified Propane installer) and all other systems and appliances should be operated to ensure satisfactory performance.

### **TIRES:**

See the Dodge automotive chassis manufacturer's owner's manual and documents for tire warranty and recommended inflation pressures.

### CARGO CARRYING CAPACITY:

See the information labels attached to the driver door post, and the insert in the front of this manual.

### **OWNER MAINTENANCE CHECKS:**

Listed below are the vehicle's maintenance checks and inspections that should be performed by the owner or a qualified service technician at the indicated intervals.

Any adverse conditions should be brought to the attention of your dealer or qualified service technician for expert service advice as soon as possible.

The owner maintenance checks are generally not covered by warranties and you may be charged for labor, parts and or supplies used.

### WHEN YOU STOP FOR FUEL:

Extinguish all pilot lights, (e.g. refrigerator, furnace), and ensure that the water heater is turned off.

Check the chassis engine oil level.

Look for low or under inflated tires, (refer to the chassis owners manual for tire pressure recommendation's).

### AT LEAST MONTHLY:

Check the chassis coolant level in the coolant recovery reservoir, (refer to the chassis owners manual for the coolant recovery location and the coolant level recommendation.

Check the operation of all exterior lamps, including brake lamps, turn signals and hazard warning flashers.

Check the tire pressure of all four tires, (refer to the chassis owners manual for tire pressure recommendation's).

Run the generator for 20 minutes, (under a load ie: running the heatpump/air conditioner) to keep the generator's engine parts lubricated and ensure that the generator is working correctly.

### AT LEAST ONCE EVERY THREE MONTHS:

Flush the black water holding tank.

Flush the grey water holding tank.

Flush and sanitize the fresh water tank, (when the coach is in use).



### AT LEAST TWICE A YEAR:

Check the power steering fluid level, (refer to the chassis owners manual for maintenance instructions).

Check the windshield washer fluid level and wiper operation. Clean wiper blades with clean cloth dampened with washer fluid.

Check the radiator, heater and air-conditioning hoses for leaks or damage.

Check for worn tires and loose wheel lug nuts.

Check the parking brake system for proper operation.

Check the head lamp alignment.

Check the lap and shoulder seat belts for wear and proper function.

Check the air pressure in the spare tire, (80 psi recommended).

Inspect all of the appliance vents to ensure they are free from dirt, insects, spider webs and/or nests.

Inspect the black and grey water tank vent for any blockage, (located on the exterior of the roof).

Clean the air conditioner filter, (refer to the air conditioner manufacturer owners manual for instructions and location).

### AT LEAST ONCE A YEAR:

Lubricate all of the exterior door hinges, locks and latches.

Clean the automotive and coach volt battery terminals.

Have Propane test completed by a certified gas technician.

Have all of the appliances tested for safe and proper operation and cleaned.

Wax, polish and protect exterior surfaces.

### The above maintenance schedule is a <u>RECOMMENDATION ONLY</u>. Please refer to your Dodge Chassis Owners Manual for details on the Dodge Chassis required maintenance schedule.

Efficient economical vehicle performance will be enhanced by utilizing this recommended maintenance shedule. It is strongly recommended that no repairs be made without appropriate training, tools and safety equipment. Doing so without the appropriate training, tools and safety equipment could cause bodily injury, damage to the vehicle or cause the vehicle to operate improperly.

Roadtrek shall not be held liable or assume any obligations or responsibilities whatsoever for any loss, damage or injury directly or indirectly caused by, arising or resulting from, or as a consequence of the use or nonuse of the information contained herein or the operation or non-operation of any items mentioned herein. Roadtrek shall be indemnified and saved from all losses, expenses, claims and demands whatsoever.

### **AUXILIARY BATTERY:**

Your vehicle is equipped with a two 6 Volt group GC-2 deep cycle lead acid auxiliary batteries. It is recommended that the acid levels in the battery(s) be inspected at least once every 3 months, and every 1 month under heavy usage.

See battery manufacturers maintenance recommendations.



### **ALUMINUM WHEEL MAINTENANCE:**

Never clean your wheels when they are **hot**, either from free standing in the sun, or from normal road use.

Always clean your wheels when they are cool to the touch of your hand. If you spray any type of cleaning agent, corrosive or not, on hot wheels, they will stain polished and chrome wheels and even some clear coated wheels... **Period.** No matter how expensive they are.

Clean your wheels, early on summer mornings or at dusk on summer evenings. A good practice is not to clean them in direct sunlight. We are experiencing UV levels and ambient temperatures that are different from the past as a result of a changing world climate. This also plays havoc on tires as well.

Clean the wheels using mild soap and water. Some strong cleaning agents will spot polished wheels every time.

Avoid car washes if possible when your wheels are hot. This could stain your wheels.

In time, due to brake and regional temperatures in North America, the wheel's lustre will fade, so from time to time, use a premium wheel cleaner/polish to keep the natural polished finish.

Never use steel wool or coarse abrasive pads to clean ANY wheel. This will cause permanent damage, and will not be warranted by the wheel manufacture.

It is recommended to use Vaseline, or some type of oil based cooking grease to coat the wheels during the harsh winter months and touch them up from time to time or have a set of winter wheels and tires.

NOTE: The Aluminum Wheels used for the Sprinter Aluminum Wheel Option are OEM Sprinter wheels and are covered by the Daimler Chrysler warranty.



### **LIMITED WARRANTY DEFINITIONS**

Roadtrek Motorhomes, (A Division of Roadtrek Motorhomes Inc.).

**Dealer** Dealer or any wholesale buyer of recreational vehicles, authorized by **Roadtrek**.

**Vehicle** Any recreational vehicle manufactured by **Roadtrek Motorhomes**. **Purchaser** Registered owner of the **Vehicle** and/or purchaser of the **Vehicle**.

Warranty Card Roadtrek Limited Warranty Registration Card specifying Purchaser of Vehicle.

All vehicles are covered by a three part limited warranty: Automotive Warranty, Appliance Warranty, and Roadtrek Limited Motorhome Warranty.

### ROADTREK LIMITED WARRANTY REGISTRATION

It is very important that the Dealer complete the Roadtrek Limited Warranty Registration, (at the bottom of the "QualityCare" Pre-Delivery Report) on each Vehicle and fax it to Roadtrek within 48 hours from the date of retail delivery. Roadtrek uses the information on the Limited Warranty Registration to:

- 1. Notify DaimlerChrysler to start the automotive, (chassis) warranty in the Purchaser's name as of the date of retail delivery.
- 2. Maintain records for the Roadtrek Limited Motorhome Warranty and for any recall notifications.

If Roadtrek doesn't receive this information, when the Purchaser tries to have automotive warranty work done, the Purchaser, the Dealer and Roadtrek will be severely inconvenienced until this information is received and processed by DaimlerChrysler.

### **AUTOMOTIVE WARRANTY - DAIMLER CHRYSLER, (DODGE AND FREIGHTLINER SPRINTER CHASSIS)**

The warranty currently offered by Daimler Chrysler covers the manufacture of the Sprinter chassis. Although the Purchaser will receive the full time period of the warranty, such warranty does not make an allowance for the miles on the odometer at the date of retail delivery ??. In other words, the warranty ends when the odometer reading reaches the limit as specified by the selected warranty, regardless of the odometer reading at the date of retail delivery. See the Sprinter Warranty Information booklet for details.

For Sprinter chassis sold through RV dealers, Roadtrek uses the information on the completed Warranty Card to notify Daimler Chrysler to restart the automotive warranty in the Purchaser's name as of the date of retail delivery. Upon receipt of the Warranty Card, Roadtrek completes and mails the appropriate forms to Daimler Chrysler who in turn enters this information into its computer system, (please allow 8 to 12 weeks for this information to be processed and appear on its computer system). If warranty work is required before this process is completed and the Vehicle's V.I.N. number appears on the Daimler Chrysler dealers computer, the Purchaser should ask the Daimler Chrysler dealer to enter the Purchaser's name and address and date of retail delivery into the computer. To prove the vehicle is still under warranty, the Purchaser should show a copy of the bill of sale to the Daimler Chrysler dealer.

If Roadtrek doesn't receive the completed Warranty Card, when the Purchaser tries to have automotive warranty work done, the Purchaser, the Dealer and Roadtrek will be inconvenienced until this information is received and processed by Daimler Chrysler.





For Sprinter chassis sold through Daimler Chrysler dealers, the Dealer will enter the appropriate information directly into Daimler Chrysler's computer system to restart the automotive, (chassis) warranty in the Purchaser's name as of the date of retail delivery.

All automotive service, maintenance and repairs are to be performed by any Daimler Chrysler, Sprinter or Plymouth dealer. See the Daimler Chrysler Warranty Information booklet for details. Such items are not warranted by Roadtrek. Roadtrek will pay for the removal and re-installation of motorhome components necessary to perform automotive recalls and warranty for 36 months or 36,000 miles, (in US) or 60,000 Km, (in Canada), which ever occurs first, from date of purchase by the first Purchaser. After this period such costs are considered to be inherent in the ownership of such a vehicle. Roadtrek will not pay for the removal and reinstallation of motorhome components necessary to perform automotive service or maintenance. Such costs are considered to be inherent in the ownership of such a vehicle.

### **AUTOMOTIVE CUSTOMER SERVICE & ROADSIDE ASSISTANCE NUMBERS**

Chrysler, (US) customer service	800-992-1997
Chrysler, (US) roadside assistance	800-521-2779
Chrysler, (Canada) customer service	800-465-2001
Chrysler, (Canada) roadside assistance	800-363-4869

### **APPLIANCE WARRANTY**

Appliances are not warranted by Roadtrek, but are covered by individual warranties offered by their respective manufacturers to which terms both Purchaser and Dealer must comply: air conditioner, electrical inverter/charger, furnace, generator, microwave oven, refrigerator, stove, toilet, water pump, macerator and water heater. Roadtrek makes no warranty whatsoever, regarding these items and/or such like components manufactured by others. However, Roadtrek will pay for the removal and reinstallation of such components that it determines at its sole discretion are installed by Roadtrek in a manner unusual to the industry. **Purchaser and/or Dealer are required to deal directly with the nearest service center for such manufactured components** and abide by the warranty policy as allowed by such component manufacturers.



### **ROADTREK LIMITED MOTORHOME WARRANTY:**

Roadtrek warrants to the Purchaser that the Vehicle is free from defects in material and workmanship on the portion manufactured by Roadtrek, under normal use and service, for **four**, **(4) years** or **48,000 miles**, **(U.S). or 80,000 Km**, **(Canadian)** whichever occurs first, from date of purchase by the first Purchaser or the date the Vehicle was first put into service, (for example, as a demo or rental), whichever is earlier.

This warranty shall be fulfilled at a Roadtrek Dealer or authorized Roadtrek repair facility. For in transit emergency repairs, you may choose to deal with a non-authorized RV service facility. However **all warranty repairs at non-authorized RV service facilities** must be preauthorized by Roadtrek. Roadtrek will, at its option, replace or repair free of charge, (including related labor) any defective part, about which the Purchaser shall notify their Roadtrek Dealer within the warranty period. The obligation of Roadtrek under this warranty, is expressly limited to such replacement or repair.

The provisions of this limited warranty shall not apply to the following:

- 1. Accident.
- 2. Unauthorized repairs or alterations.
- 3. Normal maintenance.
- 4. Changes made to other units manufactured after this Vehicle was manufactured.
- 5 Incidental damages connected with the failure of the Vehicle such as lost time, inconvenience, loss of use of the Vehicle, cost of rental cars, gasoline, telephone, travel or lodging.
- 6. Damages caused by environmental factors including, but not limited to, hailstorms, tornadoes, sandstorms, lightning, floods, earthquakes, airborne fallout, chemicals, tree sap, ocean spray, road hazards.
- 7. Vehicle that has been declared a total loss by an insurance company, (demolished) or a Vehicle whose title indicates that it is designated as "salvage", "junk", or "rebuilt" or words of similar impact.
- 8. Exterior side storage compartments may not be moisture free. It is advised that you store items accordingly. Roadtrek is not responsible for goods damaged while stored in exterior storage compartments.
- 9. There will be no allowance for emergency road repair, towing, labor, meals accommodations, etc. Such will not be accepted if claimed under warranty.
- 10. After the "QualityCare" Pre-Delivery Report is completed by the dealer, appliance adjustments, door latch adjustments, light bulbs, fuses, battery in the smoke detector and window screens are warranted for 90 days.
- 11. Aluminum wheels are not warranted against corrosion that is a result of road salt, sea salt, cleaning chemicals or harsh driving conditions.



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### **ROADTREK LIMITED MOTORHOME WARRANTY:**

The provisions of this limited warranty shall not apply to deterioration due to wear and exposure beyond the following limitations:

- 1. For **ninety (90) days** from date of purchase by the first Purchaser for appliance adjustments, door latch adjustments, light bulbs, fuses, battery in the smoke detector and window screens.
- 2. For **one (1) year** or 12,000 miles, (in US) or 20,000 Km, (in Canada), which ever occurs first, from date of purchase by the first Purchaser for sewage hose, curtain fabric, seating fabric, carpet, cup holders, exterior stripes and decals, running board trim, and black and grey water gate valve systems, and propane regulators.
- 3. For **two (2) years** or 24,000 miles, (in US) or 40,000 Km, (in Canada), which ever occurs first, from the date of purchase by the first Purchaser for leather seats.
- 4. For **three (3) years** or 36,000 miles, (in US) or 60,000 Km, (in Canada), which ever occurs first, from date of purchase by the first Purchaser for exterior painted surfaces.

Roadtrek Limited Motorhome Warranty is void unless the following conditions are adhered to:

- 1. Warranty Card for your Vehicle must be completed by your Dealer and faxed to Roadtrek Motorhomes within 48 hours of the date of retail delivery. When warranty applications are made and the Warranty Card is not on file at Roadtrek, reimbursement of the claim will be delayed until proof of original purchase is submitted to Roadtrek.
- 2. All warranty claims must be submitted on a Roadtrek Motorhomes Warranty Claim form and properly completed including Vehicle Identification Number, (V.I.N.), odometer reading and Roadtrek Limited Motorhome Warranty start date (date of retail delivery).
- Warranty work that will exceed \$200.00 must first be authorized by Roadtrek <u>before proceeding</u> with such repair work. The authorization number issued by Roadtrek must be noted on the warranty claim.
- 4. Roadtrek reserves the right to inspect defective parts that have been replaced under warranty. Dealer is expected to hold selected parts for a period of not to exceed 60 days.
- 5. Only parts and accessories and other material, available through Roadtrek are to be used in the performance of warranty service.
- 6. Warranty repairs performed a second time by a Dealer, (due to incorrect or inadequate diagnosis, improper assembly or repair, or lack of proper testing when the original warranty repair was performed) are considered as shop comebacks and are not reimbursable. Costs of such repairs must be absorbed by the Dealer.
- 7. All claims must be submitted within 30 days of the date of repair.
- 8. Purchasers are responsible for presenting their vehicle to a Roadtrek Dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time from date of authorization.

This limited warranty is expressly in lieu of any other expressed or implied warranty, including any implied warranty of merchantability or fitness for a particular purpose and of any other obligations or liabilities on Roadtrek Motorhomes which neither assumes nor authorizes any other person to assume for it any other liability in connection with Vehicles manufactured by it.



### **REPORTING SAFETY DEFECTS, (U.S. ONLY)**

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration, (NHTSA) in addition to notifying Roadtrek.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Roadtrek.

To contact NHTSA, you may call the Auto Safety Hot line toll-free at 1-888-327-4236, (TTY: 1-800-424-9153), (or 366-0123 in Washington, DC area) or write to: NHTSA

400 Seventh St., S.W., Washington, DC 20590

You can also obtain other information about motor vehicle safety from the Hot line.

### ROADTREK AMBASSADOR POTENTIAL CUSTOMER REFERRAL PROGRAM FOR ROADTREK OWNERS:

Most Roadtrek owners spend a lot of their valuable time giving tours of their Roadtreks to numerous inquisitive people. Many of these potential customers become Roadtrek owners. To reward their efforts and encourage more "tours" by these very convincing "sales people", we will pay a \$100.00 commission and provide incentive rewards to any Roadtrek owner who refers a potential customer to us who eventually purchases a new Roadtrek.

To participate in this program, the Roadtrek owner must sign up for the Roadtrek Ambassador program by visiting www.roadtrek.com/ambassador or calling 1-888-ROADTREK, (762-3873). For every potential customer that you show your Roadtrek, complete a "Potential Customer Referral Card". You will receive \$100.00 for each referral that purchases a new Roadtrek. In addition, we have these complimentary gifts:

- 1. For your 1st purchasing customer we will send you Two Roadtrek Ambassador Golf Shirts.
- 2. For your 2nd purchasing customer we will send you Two Roadtrek Ambassador Windbreakers.
- 3. For your 5th purchasing customer we will send you Two Roadtrek Ambassador Leather & Melton jackets.
- 4. For your 10th purchasing customer we will provide an all expense paid trip to the Roadtrek factory.

If these incentives weren't enough, all Roadtrek Ambassadors referring more than 2 purchasing customers in a given year will be eligible for a draw to win the use of a new Roadtrek for a full year, (mileage restrictions will apply).

This program is subject to the following conditions:

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- 1. Roadtrek receives a "Potential Customer Referral Card", (supplies available upon request) completed and mailed by the potential customer and/or Roadtrek owner.
- 2. The potential customer purchases a new Roadtrek within 3 years from the date the "Potential Customer Referral Card" is received by Roadtrek.
- 3. The potential customer purchases a new Roadtrek and has the dealer complete the "Roadtrek Warranty Registration" in the same name and address that was inserted on the "Potential Customer Referral Card".
- 4. If more than one Roadtrek owner refers the same potential customer, the \$100.00 commission will be split equally among all of the referring Roadtrek owners.

Roadtrek Motorhomes reserves the right to cancel this program based upon 90 days notice to Roadtrek owners.



### **ROADTREK CLUB INTERNATIONAL**

As a new Roadtrek owner, you are cordially invited to join our family of Roadtrek owners as members of the "Roadtrek Club International". An owners' club offers its members an opportunity to meet other people with common interests, attend enjoyable gatherings, (such as group outings, sight seeing, camping, suppers, factory tours, and more!), share travel experiences, keep current on the latest information and products from the factory, and exchange ideas for improvements or solutions to problems. Annual membership dues are only US\$10. Their common bond is the that they are all Roadtrek owners. As a group, they promote fellowship and enrich their way of life.

Roadtrek Club International is an active Chapter of the Family Motor Coach Association. FMCA, the foremost organization in the world composed exclusively for motorhome owners, was founded in 1963 for the express purpose of promoting fellowship and the use of motor coaching for pleasure. Many of its 130,000 members meet and form fast friendships with fellow motorhomers and join together in Association sponsored activities that are interesting and fun.

FMCA offers benefits and services specially designed to meet the needs of motorhome owners that you can't get anywhere else. Although space does not permit listing everything available, member benefits include: free monthly subscription to the full color Family Motor Coaching magazine, minimum cost motorhome insurance, accidental death coverage, emergency road service, trip routing service, toll free 800 number message service, mail forwarding, identification emblems for your motorhome, free membership directory, anti-theft program, discount programs, national and regional conventions, caravans and tours, and year-round activities in nearly 300 chapters of FMCA for fun, fellowship and entertainment... plus much more. FMCA dues are \$35 per year plus a one time \$10 initiation fee in the first year.

Just complete the applications on the next page and mail them with your checks to the addresses shown. You'll be glad you did!

### ADDRESS, PHONE & FACSIMILE NUMBERS, AND E-MAIL

Address all inquiries to: Roadtrek Motorhomes Inc.

Warranty & Service Department

100 Shirley Avenue

Kitchener, Ontario, Canada, N2B 2E1

Telephone: toll free 888-ROADTREK, (762-3873) or 519-745-1169

Facsimile: 519-745-1160 E-mail: service@roadtrek.com

All inquiries must include: Owner's name, address, home and work phone numbers

Selling Roadtrek dealer's name and contact

Servicing Chrysler dealer's name, contact and phone number,

(if applicable)

Last 8 digits of Vehicle Identification Number, (V.I.N.)

Vehicle mileage Date of Retail Delivery

### WEBSITE

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Checkout the Roadtrek website at www.roadtrek.com

### ROADTREK INTERNATIONAL CHAPTER FMCA A ROADTREK OWNERS' CLUB

Please Print	<b>MEMBERSH</b>	IIP APPLICATIO	N Da	ate			
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( ) If you are a former member,	check here.	membership, (includ	es membership	funds) for a Full/Family p identification emblems.). ition fee, \$30 for one year's			
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Return application and fees to: FMCA Membership Chairman, 8291 Clough Pike, Cincinnati, OH 45244-2796. Telephone (513) 474-3622

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Please contact Roadtrek Motorhomes should you require additional customer referral cards.



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